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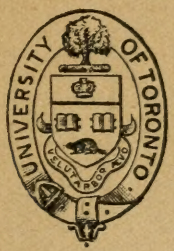
University of Toronto

FACULTY OF MEDICINE



CALENDAR

SESSION - - 1907-1908

TORONTO:
THE UNIVERSITY PRESS

UNIVERSITY OF TORONTO.

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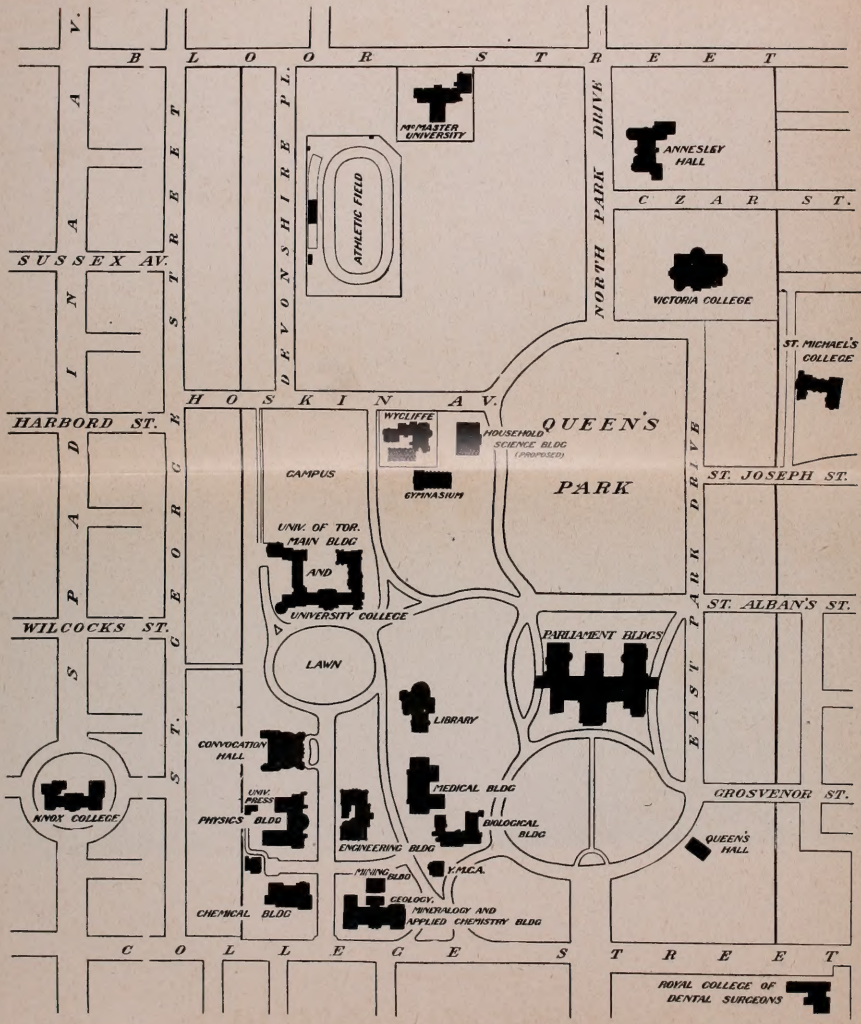
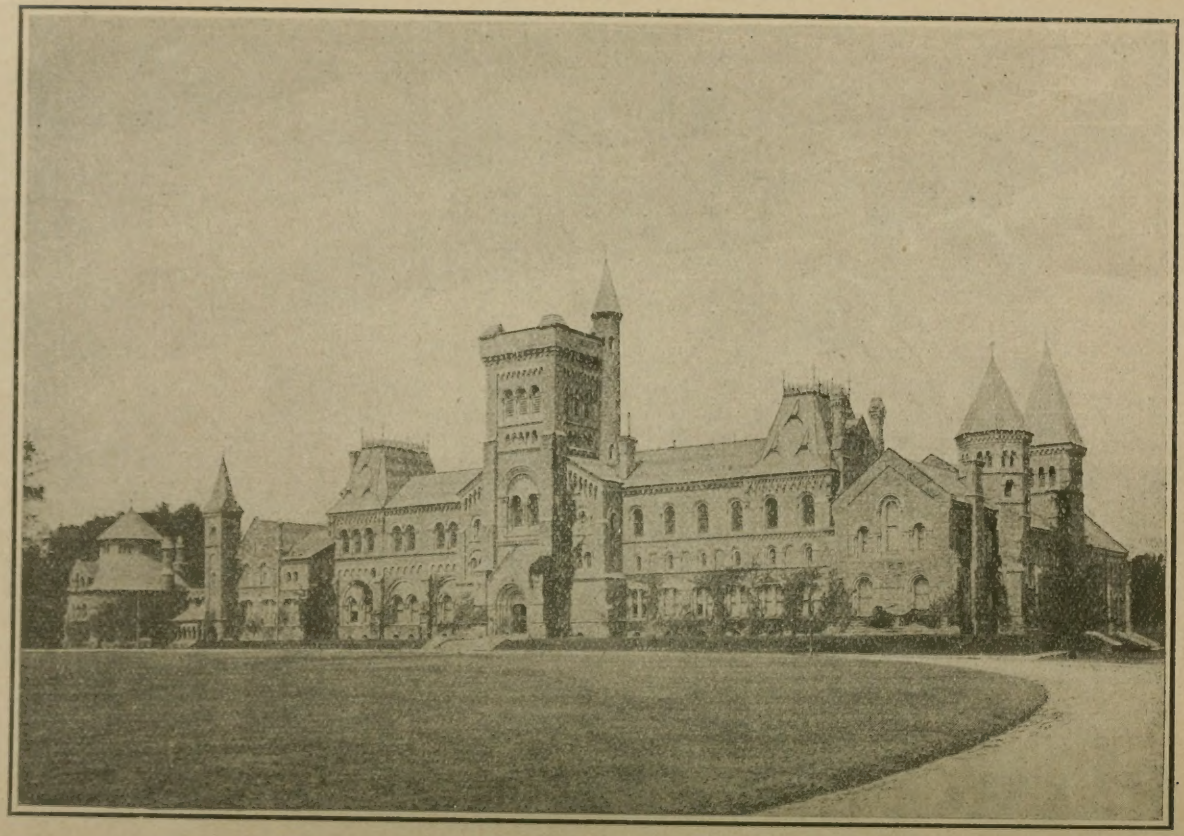
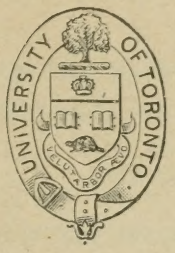




MAIN BUILDING.

University of Toronto

FACULTY OF MEDICINE



CALENDAR

SESSION - - 1907-1908

TORONTO:
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Registrar.....JAMES BREBNER, B.A.
Bursar.....F. A. MOURÉ, Esq.
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Curator of the Museum.....H. MONTGOMERY, M.A., B.Sc., PH.D.
Physical Director.....J. W. BARTON, M.D.
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UNIVERSITY COLLEGE.

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Registrar.....MALCOLM W. WALLACE, B.A., PH.D.

VICTORIA COLLEGE.

President.....REV. N. BURWASH, S.T.D., LL.D.
Registrar.....A. R. BAIN, M.A., LL.D.

TRINITY COLLEGE.

Provost.....REV. T. C. S. MACKLEM, M.A., D.D., LL.D.
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Secretary.....

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CALENDAR, 1907.

JANUARY.

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CALENDAR, 1908.

JANUARY.

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CALENDAR 1907—1908.

1907—July	3	Wednesday	—Summer Session begins.
Aug.	6	Tuesday	—Summer Session closes.
Sept.	2	Monday	—Last day for receiving applications for the September Examinations in Arts.
Sept.	16	Monday	—Registration of matriculated students in Arts by the Registrars of the University and Colleges.
Sept.	17	Tuesday	—Supplemental Examinations in Arts begin.
Sept.	17	Tuesday	—Registration in Medicine by the Secretary of the Faculty of Medicine.
Sept.	23	Monday	—Meeting of the Council of the Faculty of Applied Science.
Sept.	23	Monday	—Supplemental Examinations in Dentistry begin.
Sept.	24	Tuesday	—Supplemental Examinations in Applied Science begin.
Sept.	27	Friday	—Registration in Applied Science by the Registrar of the Faculty of Applied Science.
Sept. 23-28		Monday-Saturday	—Non-matriculated students desiring registration in Arts must present themselves, for permission to register, to the Colleges and University.
Sept.	30	Monday	—Meeting of the Council of the Faculty of Arts.
Oct.	1	Tuesday	—Academic Year begins.
Oct.	1	Tuesday	—Enrolment in classes by the various Professors.
Oct.	1	Tuesday	—Last day for presentation of vacation work in Applied Science.
Oct.	4	Friday	—Meeting of the University College Council.
Oct.	4	Friday	—Meeting of the Council of the Faculty of Medicine.
Oct.	7	Monday	—Meeting of the Council of the Faculty of Arts.
Oct.	11	Friday	—Meeting of the Council of the Faculty of Applied Science.
Oct.	11	Friday	—Meeting of Senate.
Nov.	1	Friday	—Meeting of University College Council.

Nov.	1	Friday	—Meeting of the Council of the Faculty of Medicine.
Nov.	4	Monday	—Meeting of the Council of the Faculty of Arts.
Nov.	8	Friday	—Meeting of the Council of the Faculty of Applied Science.
Nov.	8	Friday	—Term Meeting of Senate.
Dec.	6	Friday	—Meeting of University College Council.
Dec.	6	Friday	—Meeting of the Council of the Faculty of Medicine.
Dec.	9	Monday	—Meeting of the Council of the Faculty of Arts.
Dec.	10	Tuesday	—Local Examinations in Music begin.
Dec.	13	Friday	—Meeting of the Council of the Faculty of Applied Science.
Dec.	13	Friday	—Meeting of Senate.
Dec.	16	Monday	—Last day for receiving applications for the January Examination in Arts.
Dec. 16-19		Monday-Thursday	—Term Examinations.
Dec.	19	Thursday	—Last day of Lectures. Term ends at 5 p.m.
Dec.	20	Friday	—Railway certificates issued.
Dec.	25	Wednesday	—University Buildings closed.
1908—Jan.	1	Wednesday	—University Buildings closed.
Jan.	3	Friday	—Meeting of University College Council.
Jan.	3	Friday	—Meeting of the Council of the Faculty of Medicine.
Jan.	3	Friday	—Supplemental Examinations in Arts.
Jan.	6	Monday	—Easter Term begins.
Jan.	6	Monday	—Meeting of the Council of the Faculty of Arts.
Jan.	10	Friday	—Meeting of the Council of the Faculty of Applied Science.
Jan.	10	Friday	—Meeting of Senate.
Feb.	7	Friday	—Meeting of University College Council.
Feb.	7	Friday	—Meeting of the Council of the Faculty of Medicine.
Feb.	10	Monday	—Meeting of the Council of the Faculty of Arts.
Feb.	14	Friday	—Meeting of the Council of the Faculty of Applied Science.
Feb.	14	Friday	—Meeting of Senate.
Mar.	3	Tuesday	—Faculty Dinner.
Mar.	4	Wednesday	—University Buildings closed.
Mar.	6	Friday	—Meeting of University College Council.
Mar.	6	Friday	—Meeting of the Council of the Faculty of Medicine.

Mar. 9 Monday —Meeting of the Council of the Faculty of Arts.

Mar. 13 Friday —Meeting of the Council of the Faculty of Applied Science.

Mar. 13 Friday —Meeting of Senate.

Mar. 16 Monday —Last day for receiving applications for Annual Examinations in Arts, Law and Medicine.

Mar. 31 Tuesday —Last day for submitting LL.B. theses.

Mar. 31 Tuesday —Last day for submitting B.A.Sc. theses.

April 1 Wednesday—Last day for submitting M.A. theses.

April 3 Friday —Meeting of University College Council.

April 3 Friday —Meeting of the Council of the Faculty of Medicine.

April 6 Monday —Meeting of the Council of the Faculty of Arts.

April 7 Tuesday —Lectures and practical work in Applied Science cease.

April 10 Friday —Meeting of the Council of the Faculty of Applied Science.

April 13 Monday —Annual Examinations in Applied Science and Engineering begin.

April 14-16 Tuesday-Thursday. —Term Examinations.

April 15 Wednesday—Examinations for B.A.Sc. begin.

April 16 Thursday—Lectures in Arts end.

April 17 Friday —University Buildings closed.

April 20 Monday —Annual Examinations in Dentistry begin.

April 24 Friday —Term Meeting of Senate.

May 1 Friday —Annual Examinations in Arts, Law, Medicine, Pharmacy, Music and Agriculture begin.

May 1 Friday —Last day for receiving applications for the Alexander Mackenzie Fellowships in Political Science.

May 1 Friday —Meeting of University College Council.

May 1 Friday —Meeting of the Council of the Faculty of Medicine.

May 1 Friday —Last day for receiving applications for the June Examinations in Arts.

May 4 Monday —Meeting of the Council of the Faculty of Arts.

May 5 Tuesday Meeting of the Board of Examiners in Applied Science.

May 8 Friday —Meeting of the Council of the Faculty of Applied Science.

May 18 Friday —Medical Sessions ends.

May 25 Monday —University Buildings closed.
May 25 Monday —Last day for receiving applications from candidates for Scholarships.
June 1 Monday —Last day for receiving applications for Fellowships.
June 2 Tuesday —Local Examinations in Music begin.
June 12 Friday —University Commencement.
June 17 Wednesday—Senior Matriculation Examination begins.
June 17 Wednesday—Junior and Senior Matriculation Examinations at centres outside the Province of Ontario begin.
July 1 Wednesday—University Buildings closed.

University of Toronto.

FACULTY OF ARTS.

1906-1907.

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Vice-President and Dean of the Faculty,
ROBERT RAMSAY WRIGHT, M.A., B.Sc., LL.D.
Secretary (pro tempore).....JAMES BREBNER, B.A.

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JOHN CHARLES FIELDS, B.A., PH.D.,
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Professor of Constitutional and International Law and Constitutional History. 7 Roxborough Street East.

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ROBERT GARDINER ARMOUR,
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THOMAS BOLES ALLEN, B.A.,
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FRANK LOUIS BARBER, M.A.,
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WALTER KEAST, B.A.,
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72 Northumberland Street.

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151 Bloor Street West.

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Junior Assistant in Chemistry.
132 Roxborough Street West.

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Junior Assistant in Chemistry (Easter Term),
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WILLIAM HOWARD TYTLER, B.A.,
Class Assistant in Biology. 3 Queen's Park.

UNIVERSITY COLLEGE.

1906-1907.

Principal.....MAURICE HUTTON, M.A., LL.D.
Registrar.....MALCOLM WILLIAM WALLACE, B.A., PH.D.

WILLIAM JOHN ALEXANDER, B.A., PH.D.,
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JOHN HOME CAMERON, M.A.,
Associate Professor of French. [On leave of absence].

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SAINT-ELME DE CHAMP, B. ÈS L., (O.A.),
Lecturer in French. 301 Jarvis Street.

RICHARD DAVIDSON, M.A., PH.D.,
Associate Professor of Oriental Languages. 19 Walker Ave.

THOMAS EAKIN, M.A., PH.D.,
Lecturer in Oriental Languages. 116 Madison Ave.

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CONSTITUTION AND ADMINISTRATION OF THE UNIVERSITY.

The Constitution, powers and functions of the University are defined in "The University Act, 1906."

The management of the property, finances and academic business of the University is entrusted to the Board of Governors, the Senate, Convocation, the Faculty Councils, the Council of University College and the Caput. The functions of these various bodies are exercised subject to supervision and control by the Crown, as hereafter explained.

1. THE CROWN.—The Lieutenant-Governor-in-Council has the power to appoint and to remove the Board of Governors (with the exception of the Chancellor and the President); to appoint and remove the Chairman of the Board; his assent is necessary before the Board can make any expenditure which impairs the endowment of the University or College; through the Provincial Auditor or someone else appointed by himself, he audits the accounts of the Board and he requires of them an Annual Report for submission to the Legislature.

2. THE BOARD OF GOVERNORS.—The Board of Governors consists of: The Chancellor and the President, ex-officio, and eighteen persons appointed by the Lieutenant-Governor-in-Council, one of whom is named as Chairman of the Board. The appointed members hold office for six years, and one-third of the number retires every two years, but these members are eligible for re-election. The Board has power to appoint the President of the University; and to appoint or remove all of the officers and servants of the University or University College upon the nomination or recommendation of the President. The government, conduct, management and control of the University and University College and of the property, revenues, business and affairs thereof are vested in the Board (University Act, 1906, Section 37), but all expenditures of endowment must be authorized by the Lieutenant-Governor-in-Council. The Board makes by-laws, rules and regulations regarding the investment of the funds; the selling and leasing of University properties; the letting of contracts; the appointment and removal of the Bursar and his assistants, clerks and other officers and servants of the University; the

rate of salaries to be paid to the staff and officers; the fees to be paid by students; the annual appropriations and the transaction of other business.

3. THE SENATE.—The Senate consists of four classes of members: (1) Ex-officio members; (2) Faculty members; (3) Appointed members; and (4) Elected members. The ex-officio members are the Chancellor, the Chairman of the Board of Governors, the President of the University, the Principal of University College, the President or other head of each federated university or college, the Deans of the Faculties of Arts, Medicine, Applied Science and Engineering, Household Science and Education and all past Chancellors and Vice-Chancellors. Representation of the Faculties is made up as follows:—The professors, not including the associate professors, of the Faculty of Arts of the University: five members of the Faculty of Medicine: five members of the Faculty of Applied Science and Engineering: three members from each of the three Arts Colleges, University College, Victoria University and Trinity College. The appointed members consist of one representative appointed by each federated university, two by each federated college, one by the Law Society of Upper Canada and one by each federated institution, subject, however, in the latter case, to certain restrictions. The elected members number thirty-six, made up of twelve members representing the graduates in Arts who at graduation were enrolled in University College: five members each representing similar graduates in Victoria College and Trinity College: four representing the graduates in Medicine: two each representing the graduates in Applied Science and Engineering, and in Agriculture: two representing the graduates in Law: and four representing the principals of collegiate institutes or high schools or assistants therein who are actually engaged in teaching in such an institute or school. The graduates in Medicine and Law of Victoria University and Trinity College vote with the graduates of the University of Toronto in these same faculties.

The body thus composed is renewed once in four years, when all except the ex-officio members and the representatives of the Faculty of Arts of the University must retire, but are eligible for re-appointment or re-election. The Chairman of the Senate is the President.

The Senate has the power to fill any vacancy which may occur among the elected members of the Senate and to return a final decision in any dispute which may arise in connection with the Senate elections. Among the powers and duties of the Senate are the following:—To provide for the regulation and conduct of its proceedings; for the granting of degrees, including honorary degrees, and certificates of proficiency, except in Theology; for the establishment of exhibitions, scholarships and prizes; for the affiliation of any college established in Canada; for the dissolution or modification of the terms of affiliations; for the cancellation, recall and suspension of degrees; for the establishment of any faculty, department, chair or course of instruction in the University, or any department, chair or course of instruction in University College, except Theology; for the conduct of the election of members of the Senate; for the appointment of examiners and the conduct of all University examinations other than those in the faculties; for the representation on the Senate of any faculty which may hereafter be established; for the preparation and publication of the calendars; to consider and determine on the report of the faculties, the courses of study in these faculties; and all other courses of study for which no faculty is created; to consider and determine on the report of the various Faculty Councils, the appointment of examiners, and the conduct and results of the examinations in these faculties; to consider such matters as may be reported to it by the Council of any faculty and to communicate its opinion or action thereon to the Council; to hear and determine appeals from decisions of the Faculty Councils upon applications and memorials by students and others; to make rules and regulations for the management and conduct of the Library and to prescribe the duties of the Librarian; to make such changes in its own composition as may be deemed expedient; to make such recommendations to the Board as may be deemed proper for promoting the interests of the University and of University College or for carrying out the objects and provisions of the Act.

4. Convocation.—Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly through its elected representatives, no part of the management of the University is exercised by it as a whole.

It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, Law, Applied Science and Engineering and Agriculture. Any question relating to University affairs may be discussed by it, and a vote taken. The result of such discussion is communicated to the Senate, which must consider the representation made, and return to Convocation its conclusion thereon.

5. FACULTY COUNCILS.—The five faculties of Arts, Medicine, Applied Science and Engineering, Household Science and Education have each a Council, the President being Chairman, ex-officio, of the first and the Deans of the respective faculties of the other four. All professors and associate professors engaged in teaching students of any faculty have a seat and vote upon the Council of the Faculty whose students they teach; lecturers also, provided they are upon the permanent staff, have a seat but no vote upon the Council. Each Council is autonomous, and has the settlement in the first instance of all applications and memorials from its students, and the drawing up of a curriculum of studies, and the appointment of examiners and conduct of examinations. In the case of applications and memorials the settlement by the Council is subject to an appeal to the Senate; in the case of courses of studies, appointment of examiners and conduct of examinations, the decisions of the Councils are subject to the approval of and confirmation by the Senate.

The Council of the Faculty of Arts includes the Principal of University College, the President or other head of every federated university, the Dean of the Faculty of Arts, the teaching staff of University, Victoria and Trinity Colleges (except in the case of those whose appointments are temporary), and one professor in the Department of Religious Knowledge appointed by each federated university or college.

6. THE CAPUT.—The Caput is a committee composed of the President, the Principal of University College, the Heads of the federated universities, the Heads of the federated colleges, and the Deans of the faculties of the University.

It has power to authorize teaching and lectures by others than the duly appointed members of the teaching staff, to exercise discipline over students, where more than one college or one faculty is concerned, or where breaches of disci-

pline occur outside the buildings or grounds appropriated to the several colleges and faculties.

7. THE COUNCIL OF UNIVERSITY COLLEGE.—This body is composed of the Principal and the Professors and Associate Professors of the College. It has committed to it the direction and management of the College with full authority over and entire responsibility for the discipline (including the imposition of reasonable fines) of the undergraduates in relation to the lectures and other instruction of the professors, lecturers and other teachers of the College; and no lecturing or teaching of any kind may be carried on in the College by any other than the duly appointed professors or teachers without the authority of the Council.

8. FEDERATED INSTITUTIONS.—The following institutions are federated with the University, viz., Victoria College, Trinity College, Knox College, Wycliffe College and St. Michael's College. The President or other head of each is, ex-officio, a member of the Senate and of the University Council. In addition, Knox, Wycliffe and St. Michael's Colleges each appoint two other representatives on the Senate. Victoria College and Trinity each appoint one member and the graduates of each elect five more representatives to represent each College. All regular students matriculated in the University who are enrolled in University College or Victoria College or Trinity College and who enter their names with the Registrar of the University are entitled to free instruction in Arts in the University. But this provision does not include exemption from laboratory fees, nor does it apply to postgraduate instruction. When a federated college by arrangement with the University Council, teaches any part of the Arts course the Board of Governors may make a reduction in the fees of students taught in such College.

9. REVENUES OF THE UNIVERSITY.—In addition to the remains of the original endowment and additions made to it from time to time (under which heads this University is possessed of an annual income of about sixty thousand dollars) the Legislature grants to the University fifty per cent. of the average Succession Duties determined upon the gross receipts from such duties during the three preceding years; the amount, as at present, exceeds two hundred and fifty thousand dollars.

GENERAL INFORMATION FOR STUDENTS.

DISCIPLINE.

The Council of University College, and the governing bodies of the federated universities and colleges, respectively, have disciplinary jurisdiction over and entire responsibility for the conduct of their students in respect of all matters arising or occurring in or upon their respective college buildings and grounds, including residences.

The councils of such of the faculties as have assigned for their separate use any building or buildings and grounds, including residences, have disciplinary jurisdiction over and entire responsibility for the conduct of all students in their respective faculties in respect of all matters arising or occurring in or upon such building, or building and grounds.

In all such cases, and, save as aforesaid, as respects all students to whatsoever college or faculty they may belong, disciplinary jurisdiction is vested in the Caput, but the Caput may delegate its authority in any particular case or by any general regulation to the council or other governing body of the university or college or faculty to which the student belongs.

The Caput has also power and authority to determine by general regulation, or otherwise, to what college, faculty or other body the control of university associations belongs.

If there be any question as to the proper body to exercise jurisdiction in any matter of discipline which may arise, the same shall be determined by the Caput, whose decision shall be final.

Disciplinary jurisdiction includes the power to impose fines.

THE LIBRARY.

The University Library occupies a separate building erected almost wholly by private benefaction, and completed in 1892. Besides a fire proof book room with a storage capacity of 100,000 volumes, it contains a reading room capable of seating upwards of 200 readers, a periodical room, seven departmental libraries, offices, cloak rooms and conversation

rooms. The building is heated by steam throughout, thoroughly ventilated and supplied with electric light. The library contains at present upwards of 87,000 volumes together with upwards of 22,000 unbound pamphlets. It is provided, as far as the income permits, with the standard and current literature of all subjects taught in the University. In the departments of the natural and physical sciences it includes the principal journals and transactions of societies. In the departments of language and literature, the works of all authors of primary or secondary importance from the origins of each literature to the present time are available, as well as the principal philological and literary periodicals. Corresponding facilities are provided in the departments of philosophy, history and political science. The library is a circulating one for members of the Faculty, and a library of reference for students. The latter, however, are allowed under certain conditions the use of books at home outside of library hours, and students engaged in special work, requiring the consultation of books of reference, are allowed access to the stack room by the librarian on the recommendation of the professors. The departmental libraries are in charge of the professors in each department, and contain special reference collections of books. These rooms are intended for the instruction of advanced students, who may also at the discretion of their professors use the rooms and the books contained in them for private study. The conversation rooms situated in the basement, are intended for the use of students who wish to withdraw for the purpose of discussion or combined study, to avoid disturbance of the reading room proper where absolute quiet must be observed. Besides the general library, there are also special collections of periodicals and monographs situated in the Biological Building, the Medical Building, and in connection with the departments of Physics, Psychology and Law in the main University Building for the use of students and staff engaged in practical work.

THE PHYSICAL LABORATORY.

The Physical Laboratory, established in 1878, is situated in the western part of the Main Building, and consists of a set of rooms for elementary work, together with a number of

special laboratories. The apparatus in the former is suitable for a general course of experiments in physics, including mechanics, geometrical and physical optics, heat, sound, electricity and magnetism. The special laboratories are equipped for the use of advanced undergraduate students taking the honour course in physics and for post-graduate students pursuing original investigations.

In connection with the laboratory is a well-equipped workshop in charge of skilled mechanicians who make the necessary repairs and construct most of the apparatus required for the work of research students.

A new Physical Laboratory is in course of erection on the University grounds between the Convocation Hall and the Chemical Laboratory. The building is planned on the unit system and will be supplied with a complete modern equipment. The laboratory is designed to accommodate the students in physics of the Faculties of Arts, Medicine, Applied Science and Household Science, and in Dentistry, which at the present time number over eight hundred.

THE PSYCHOLOGICAL LABORATORY.

The Psychological Laboratory, which was established in 1892, and has been greatly extended since, is situated in the west wing of the main University Building. It is well equipped for investigation in psycho-physics, psychological optics, acoustics and space and time relations of mental phenomena. There is in connection with the Laboratory, a branch library containing the periodicals and the special literature of experimental psychology.

THE BIOLOGICAL BUILDING.

The Biological Building is formed of a central portion, which contains the Biological Museum, and east and west wings, the latter of which is chiefly occupied with the Anatomical Department. The east wing, on the other hand, contains the twelve rooms and laboratories of the Biological Department proper; on the ground floor is the large lecture room, accommodating upwards of 250 students, with suitable cloak rooms, etc., attached. In addition to this are private

BIOLOGICAL BUILDING, EAST WING.

BIOLOGICAL BUILDING, WEST WING.

rooms, a preparation room, departmental library, and a large laboratory for the students of the Fourth Year. Above the lecture room on the first floor is situated the elementary laboratory used for the practical instruction of the large classes of students in the First Years in Arts and Medicine, while the remainder is occupied by a lecture room for small classes, a laboratory for students of the Third Year, a photographic room, a draughting room for the preparation of diagrams, a laboratory for vegetable physiology and bacteriology, and various private rooms. The second floor contains two rooms for the preparation and storage of museum specimens, two for the accommodation of live animals, and also two hot houses for use in connection with the practical courses in botany. In the basement are store rooms for alcoholic museum specimens and for glassware, a carpenter's shop and an aquarium.

The laboratories are provided with microscopes and all apparatus used by the students in morphological work; the advanced laboratories are furnished with necessary works of reference, and the lecture rooms with projection apparatus and very complete series of diagrams.

THE BIOLOGICAL MUSEUM.

The University Biological Museum forms the central portion of the Biological Building, and is open to the public. It is primarily intended as an educational museum for the students taking biology as part of their University work, but it has proved also of great interest to the general public. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate.

The public entrance to the Museum is approached from the west facade of the Biological Building, while the students gain access to the rooms through the eastern wing, in which the laboratories are situated. The interior of the Museum, which occupies two floors, is subdivided into four rooms, seventy-five by twenty-five feet in size, and amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to animal biology, while the fourth is arranged for the illustration of vegetable biology.

The public entrance opens into the north ground floor room, the wall cases of which contain stuffed specimens of the various orders of mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show cases are constructed of iron and plate glass, those destined for the exhibition of smaller specimens standing on wooden storage cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground floor room is devoted to the remaining vertebrate classes, the wall cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground floor with the first floor; a number of wall cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall cases and the table cases standing in the alcoves of these, while the protozoa, sponges, cœlenterates, echinoderms and worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered considerable losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

THE PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory occupies the southern section of the new Medical Building. It contains a series of laboratories, constructed on the "unit" system, six of which are devoted to experimental physiology and six to physiolo-

gical chemistry. These rooms are equipped to furnish complete courses in these subjects to classes of as many as one hundred and fifty students at any one time. There are also laboratories for special courses in these subjects, and in addition a series of eleven small research rooms, each for individual workers on some special topic in bio-chemistry, physiological histology or experimental physiology.

THE CHEMICAL LABORATORY.

The Chemical Building was completed in 1895. It contains in addition to two lecture rooms with accommodation for 300 and 100 students, respectively, special laboratories for qualitative analysis, quantitative analysis, organic preparations, physical chemistry, gas analysis, combustion and furnace operations, and for the prosecution of original investigation. The total number of working places in these laboratories exceeds 200.

GEOLOGICAL AND MINERALOGICAL LABORATORIES.

By the erection of the new Chemistry and Mineralogy Building on College Street the University has secured for the first time really modern laboratory equipment for the departments of Geology and Mineralogy.

For students of science generally brief courses are given in laboratory work, especially in personal examination of type sets of rocks, fossils, minerals and crystal models. These laboratory exercises serve to illustrate the introductory didactic instruction.

For the encouragement of pure crystallography the laboratories are supplied with goniometers of the various types, crystal models, appliances for the cutting of oriented crystal sections and for the physical examination of the same. Practical Petrography is carried on in rooms provided with type sets of rocks, both macroscopic and microscopic. Advanced students are taught to make thin sections of rocks and fossils and to study them microscopically. Students in Palæontology are given instruction in the preparation of material for study and are afforded an opportunity of examining type series of specimens.

The laboratory for the preparation of thin sections of rocks, minerals and fossils is provided with electric diamond saws and grinding appliances for the various types of work incidental to the preparation of thin sections and museum material.

A room is also provided for advanced work in Cartography and Geological Surveying.

The departments possess 28 petrological microscopes and five of other types so that it is now possible to provide advanced students with instruments and sets of thin sections for their own special use. The blowpipe laboratory contains 156 lockers, specially designed for apparatus for students. All students before being admitted to the laboratories are required to make a deposit to cover the cost of breakages during the session.

THE GEOLOGICAL AND MINERALOGICAL MUSEUM.

The eastern portion of the ground floor of the Chemistry and Mining Building at present serves as temporary quarters for the museum of the combined departments. Entrance to this room many be obtained by the door at the south-east corner of the building which will be open to students and the general public from two to five o'clock on academic days.

The south end of the room is occupied by the palaeontological collection, consisting of 100 cases of fossils illustrating the life history of the great groups of invertebrate animals. In this collection are included the B. E. Walker donation and the Matthew types of Cambrian fossils presented by Mr. Wm. MacKenzie. Next to the palaeontological exhibit are arranged the cases of the Ferrier Mineral Cabinet containing practically all known species of minerals.

At the north end of the room a series of 20 cases exhibits the chief igneous and sedimentary rocks.

Around the walls are 21 cases in which are arranged a series of specimens to illustrate the important economic mineral products.

Much material is in the possession of the departments which lack of space prevents from being displayed. To provide for the exhibition of this material and for expansion it is necessary that more commodious quarters be obtained.

THE ETHNOLOGICAL MUSEUM.

The Ethnological Museum is situated in the second storey of the main University Building. It contains that part of the ethnological collection which was saved from the fire of 1890, together with the additions which have been made since that time. There is a fair collection of skulls, including ancient Egyptian and Roman skulls and models of the Neanderthal, Cro-Magnon, and other famous skulls. There are also interesting palœolithic implements from the English and French Drift, and the beginning of a good collection of stone implements from various parts of Canada.

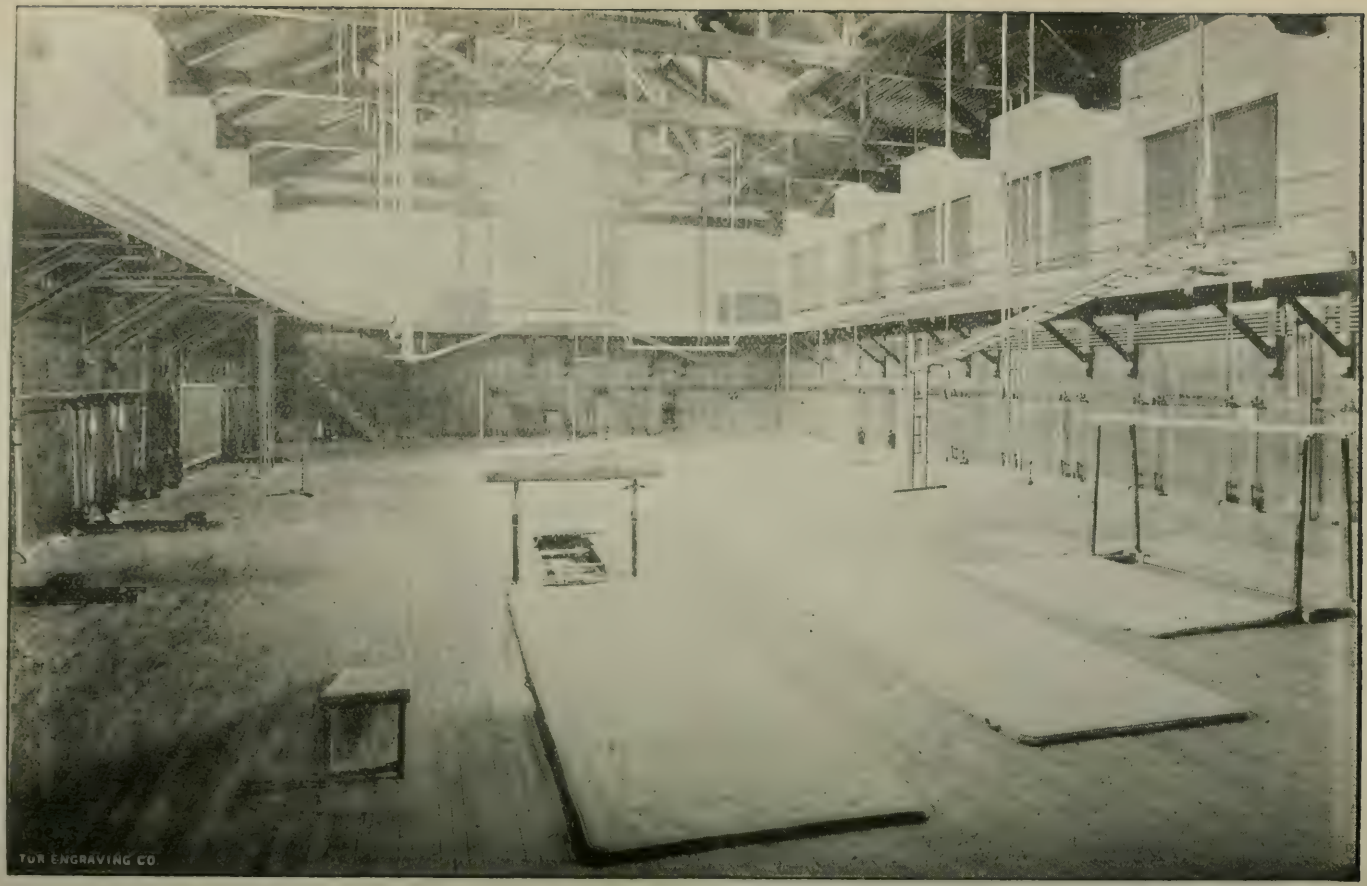
UNIVERSITY PUBLICATIONS.

Under the general title of "University of Toronto Studies," a publication in the interests of scholarship and research is issued, containing selected papers by members of the University. The committee of management is representative of the Faculties in Arts, Medicine and Applied Science. The President of the University is chairman of the committee, and the Librarian is general editor of the publications. From the nature of the publication, there is no regularity of issue, but as papers are accepted and recommended for publication, they are published to the extent of the funds available, without regard to any consideration except that of their value as contributions to the literature of learning.

For lists of studies published to January, 1907, see Appendix.

PUBLIC LECTURES.

In addition to the regular courses of instruction, a number of public lectures on special subjects of interest are delivered annually under the auspices of the University, on Saturday afternoons, by members of the faculty and others whose services are given voluntarily in this work. The lectures cover a large variety of topics, and those delivered hitherto have been numerously attended by the public, as well as by the students of the University. For the list of subjects and lecturers during 1906-1907, see Appendix.



GYMNASIUM.

STUDENT SOCIETIES.

Various societies and associations have been organised for the promotion of social intercourse, literary and scientific activity, music and athletics. For list of officers of these societies, see Appendix.

GYMNASIUM AND ATHLETIC GROUNDS.

The University Gymnasium was completed and equipped in 1893. In 1894, additions were made to the front of the building in which the Gymnasium is situated, consisting of committee rooms and a large hall for public meetings. This additional accommodation is available for the work of the various student societies and for academic purposes. Applications for the use of rooms, accompanied by a list of officers and a copy of the constitution of the society making application, must be made to the President at the beginning of the session, or from time to time as occasion requires. Arrangements have also been made by which recognised societies may obtain the use of committee rooms on application to the janitor of the building.

The Gymnasium is fully provided with the best and most modern appliances for physical culture, and contains a running track, shower baths and swimming bath, besides the necessary dressing rooms and other conveniences. A competent instructor in gymnastics is in constant attendance to superintend and direct the exercises of students. In addition to the lawn in front of the main University Building and the campus in the rear, a large plot of ground on Devonshire Place has been prepared and set apart as an Athletic Field. By this addition the facilities for football, cricket, tennis and other outdoor athletic sports are doubled, as compared with previous accommodation; and by these grounds, in conjunction with the Gymnasium, ample opportunity is afforded to all students for healthful exercise and physical development. To assist in meeting the expenses of the Gymnasium, a nominal annual fee is imposed on those who avail themselves of its advantages. The supervision of all athletic matters has been entrusted by the Council to the Athletic Association, consisting of members appointed from the faculty and repre-

sentatives of the students. All applications of clubs for the use of grounds must be made annually to this board. All such applications must be accompanied by a list of officers. In the case of new clubs, the list of officers must be accompanied by particulars as to the organisation and objects of the club making application.

A diploma in gymnastics and physical drill is granted to those who fulfil the requirements of the curriculum prescribed therefor by the Senate.

UNDERGRADUATE UNION.

Through the efforts of the faculty, graduates, undergraduates and friends of the University, this organisation was established during the session of 1900-1901. It has for its object the promotion of social intercourse among the students of the various faculties, colleges and schools. Apartments for the accommodation of the Union have been provided in a portion of the building formerly occupied by the College Residence.

DINING HALL.

In October, 1900, the Dining Hall, formerly belonging to the College Residence, was reopened. Under the management of a representative committee, students are provided with meals at moderate rates. Full particulars may be obtained at the Dining Hall Office in the Dean's House.

LODGING AND BOARD.

Lodging and board are readily obtainable in numerous private boarding houses within convenient distance of the University, at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding houses is kept by the Secretaries of the Young Men's Christian Associations of University College and Victoria College, and students are recommended to consult them with reference to the selection of suitable accommodation.

RESIDENCES.

For Men.

TRINITY COLLEGE.....REV. T. C. STREET MACKLEM, *Provost.*
ST. MICHAEL'S COLLEGE.....REV. FATHER ROCHE, *Superior.*
WYCLIFFE COLLEGE.....REV. T. R. O'MEARA, *Principal.*
KNOX COLLEGE.....REV. WM. MACLAREN, D.D., *Principal.*

For Women.

QUEEN'S HALL.....MRS. JOHN CAMPBELL, *Dean.*
ANNESLEY HALL.....MISS M. E. T. ADDISON, B.A., *Dean.*
ST. HILDA'S COLLEGE.....MISS M. CARTWRIGHT, *Principal.*

INFORMATION FOR STUDENTS IN MEDICINE.

The twenty-first session since the re-establishment of the Medical Faculty of the University of Toronto will commence on Tuesday, the 1st of October, 1907, when the opening lecture will be delivered at 8.30 p.m., in Convocation Hall.

DEGREES.

The degree of M.B. is given to the students who have matriculated and who have completed the prescribed course of study and passed the examinations required. The degree of M.D. is conferred on Bachelors of Medicine of at least one year's standing who have presented an approved thesis or who have passed a prescribed examination.

ENTRANCE.

Candidates for a degree must pass the Junior Matriculation examination, unless (1) they possess a degree in Arts, not being an honorary degree, from any Canadian or British University; or, (2) have already matriculated in the faculty of Arts or in the faculty of Law in this University; or, (3) have been registered as matriculates in the College of Physicians and Surgeons of Ontario. Candidates may delay Matriculation until the beginning of the second year of professional study. Registration will not be permitted in the second year until matriculation has been completed. If possible candidates should matriculate before commencing their medical studies.

INSTRUCTION.

The course of instruction given by the faculty of Medicine prepares students primarily for the degree of M.B., and for the license of the Ontario College of Physicians and Surgeons, but it fulfils the requirements of other Canadian and British Universities and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British medical qualification in addition to a Canadian one.

The new building of the faculty of Medicine has been

completed, and is fully equipped. A detailed description of it will be found elsewhere in the calendar. With the completion of this building, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students in every department embraced in the medical curriculum. The laboratories of the new building will be devoted solely to the departments of Physiology and Pathology, and in addition to the provision made for instruction of undergraduate students, a series of special laboratories is to be found, fully equipped for research work. As heretofore, lectures and demonstrations will be given in the Biological, Chemical, Physical and Anatomical Laboratories and lecture rooms of the University. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

Clinical instruction is given in the Toronto General Hospital, the Mercer Eye and Ear Infirmary, the Burnside Lying-in Hospital, the Hospital for Sick Children, St. Michael's Hospital and other medical charities of Toronto. The facilities for clinical instruction have been very greatly improved, and the student has the fullest opportunities for making a thorough examination of all the cases of disease which are found in the wards and out-patient rooms of the hospitals. The students are arranged in small classes (of from twelve to fourteen) in order to facilitate this, and to enable the clinical teachers to give as much personal instruction as possible to each student.

The hospital facilities provided for the instruction of students in connection with the University will be greatly augmented in the immediate future. The Toronto General Hospital Trust will be reconstituted and a new and modern hospital will be built where an equipment for the scientific practice of medicine and surgery will be provided second to none on the continent in efficiency. Already upwards of a million dollars have been subscribed to further the building project. The munificent gift of $100,000 by Mr. Cawthra Mulock, will provide unsurpassed accommodation for the treatment of patients in the outdoor department, and will afford exceptional facilities for the instruction of students.

The faculty has in the General Hospital a laboratory for clinical pathology and chemistry, which has been furnished with microscopes and all apparatus required for the examination of pathological fluids and specimens; and students, when they act as clinical clerks, will be admitted to all the privileges of the laboratory.

In the department of anatomy, the arrangements for instruction are now unsurpassed. In addition to other methods of illustrating anatomy, there will be courses in which the projection microscope will be employed to demonstrate to large classes the relational structure of the different parts of the body as exhibited in frozen sections. In materia medica also the course of instruction conforms to the most advanced methods.

The faculty has spared no expense in making the arrangements for medical instruction perfect, and is convinced that these, added to the unrivalled facilities offered by the University laboratories for the study of chemistry, physics, biology, anatomy, histology, physiology and pathology, will furnish the fullest opportunities to the student for acquiring a medical education of the most advanced and most progressive character.

Attention is directed to the recent establishment of a Museum of Hygiene.

EXAMINATIONS.

In addition to the Matriculation examination, candidates are required to pass four examinations, which must be taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session, and the Final at the end of the fourth session.

NEW SCIENCE COURSE ADAPTED FOR STUDENTS IN MEDICINE.

The special attention of students entering Medicine is directed to the enactment of the University Senate instituting a curriculum in science leading to the degree of Bachelor of Arts. This course, entitled the honour department of Biological and Physical Sciences, is specially adapted for students who intend entering eventually upon Medicine, and embraces

the purely science subjects which are demanded of students in the primary years of Medicine. It is therefore possible for a candidate who has obtained his Arts degree in this course to enter immediately the Third Year of Medicine, and he will be qualified to present himself for the degree of Bachelor of Medicine two years after graduating in Arts. In other words, it is possible for one to obtain the degrees of Bachelor of Arts and Bachelor of Medicine after six years' study at the University.

The very great advantages of this course to a student entering Medicine are obvious. The preliminary science subjects of the course in Medicine are taught in much greater detail in the Arts course, as in the latter is included advanced laboratory and experimental work, such as is not required in the purely Medical course of studies. Further, the student is required to become proficient in modern languages, an acquirement which is of great value to the student of modern scientific Medicine.

This new course not only affords opportunity for wider culture and greater scientific attainment than is possible in the more limited four years' course in Medicine, but it fits one for a much wider field of usefulness after graduation. The graduate who has taken the science course in Arts and subsequently that of Medicine is qualified to devote his life to the purely scientific side of Medicine if he should so elect after leaving the University, and, moreover, he is undoubtedly better fitted to practice his profession should he desire to prepare himself for that alone.

Students may also combine the courses in Arts and Medicine to a less extent by proceeding to graduation in Arts through any one of the honour departments of biology, chemistry, geology and mineralogy and physics, certain courses and examinations in these departments being accepted as equivalent to similar courses and examinations in the faculty of Medicine.

MEDICAL COUNCIL REQUIREMENTS.

A student desirous of obtaining a license to practice medicine in Ontario must pass the July Matriculation examination of the University of Toronto, including the subjects physics

and chemistry, which entitle him to be registered as a medical student. A fifth year of study is now demanded by the Ontario Medical Council. To meet this requirement a course of instruction has been arranged; students taking this course will have the opportunity of doing special work in the hospitals and laboratories, and they will be permitted to attend whatever didactic lectures they may desire. For official information of all matters relative to the Council's regulations students should communicate directly with Dr. Bray, Registrar of the Council, 83 Isabella Street, Toronto.

For all information not covered by this announcement, the intending student should apply to Professor A. Primrose, The Medical Laboratories, University of Toronto.

THE MEDICAL BUILDING.

The completion of the Medical Building provides the necessary accommodation for the rapidly increasing classes.

This building, which cost $125,000, is situated between the University Library and the anatomical wing of the Biological Department. An additional $50,000 has been expended on equipment.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which flank the main building; the larger has accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated caretaker's quarters, lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed a large museum of hygiene.

The three main floors of the building are arranged upon what has been called the unit-system, a unit room being thirty feet long by twenty-three feet deep, lighted on its long face by two large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing is occupied by the department of

Physiology, whilst the main portion of the building and the north wing accommodate the final departments of Medicine.

On the ground floor in the main portion are situated in front the Dean's room, a large faculty room, a laboratory, and a library, behind is placed a large pathological museum.

In the north wing in this floor are placed a chart and preparation room behind the lecture theatre, preparation and store rooms for the pathological museum, and laboratories for gross pathology.

The second and third floors in the same wing and in front contain the laboratories of pathological histology and bacteriology with rooms for the Professor of Pathology and demonstrators, and unit rooms for small special classes.

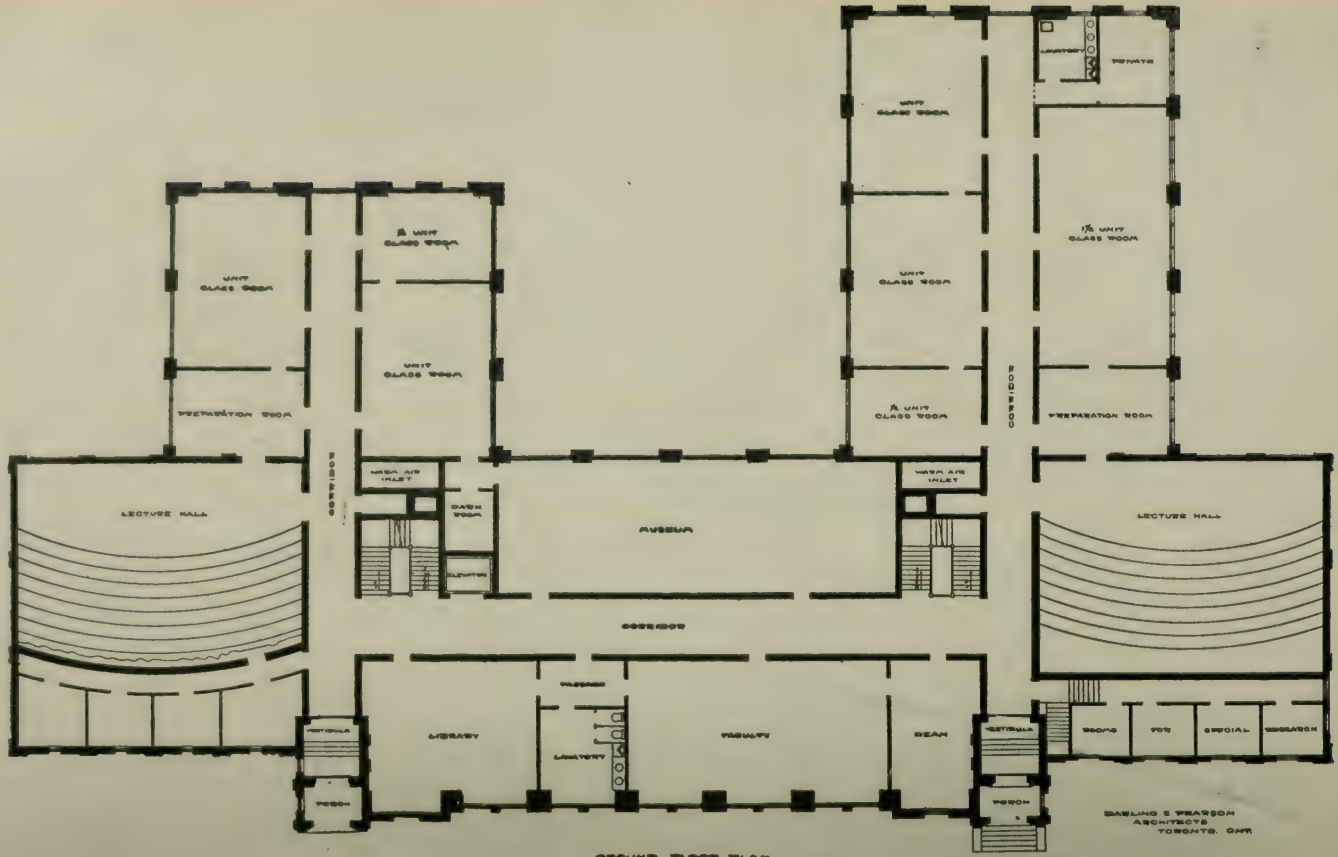
In the north wing on the third floor units are occupied by the Provincial Board of Health for its bacteriological, and chemical laboratories.

An interesting feature of the building in the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

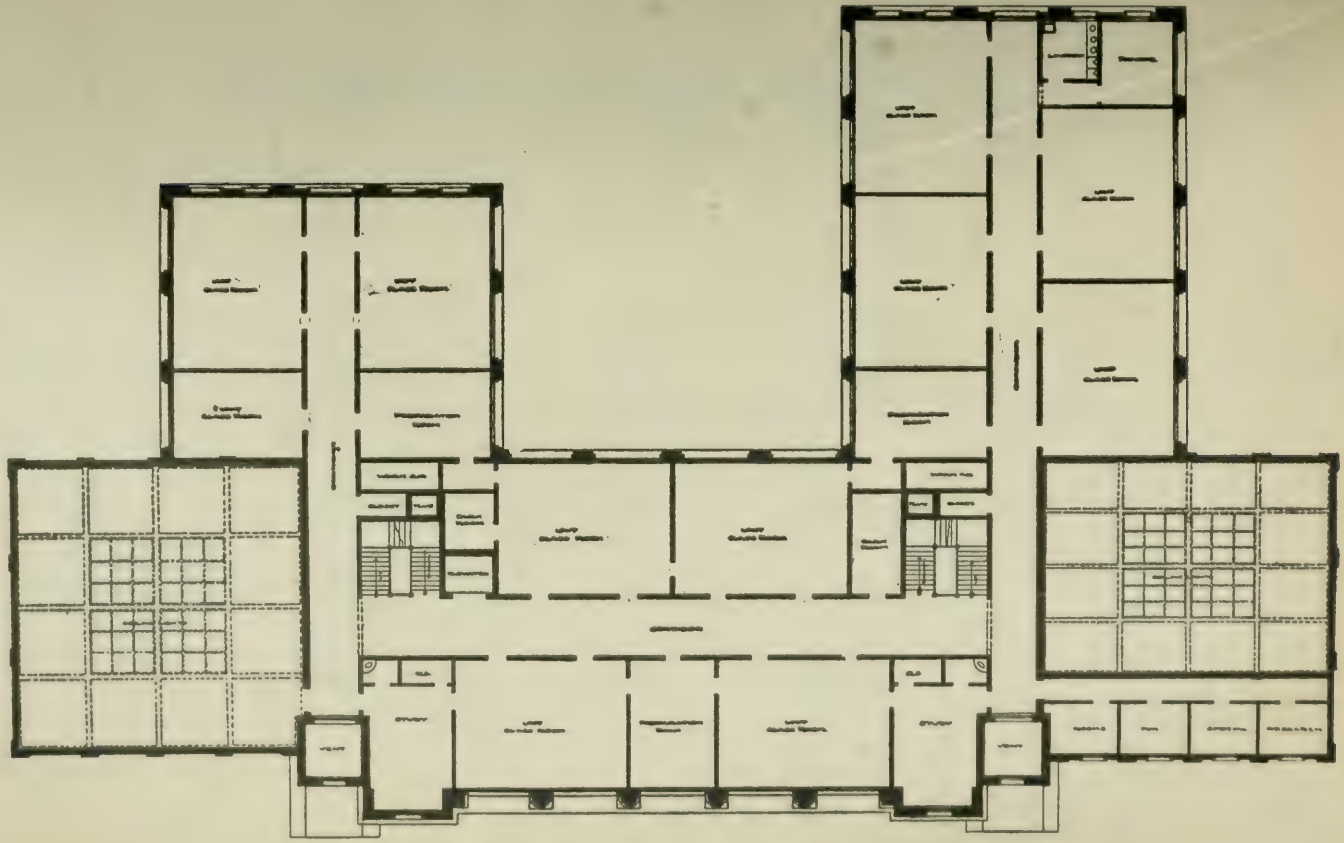
The ventiliation is of the most modern type, and each room provided with both gas and electric light.

The building in every way is thoroughly up-to-date, and in the extent of window light for the laboratories is probably unique on this continent.

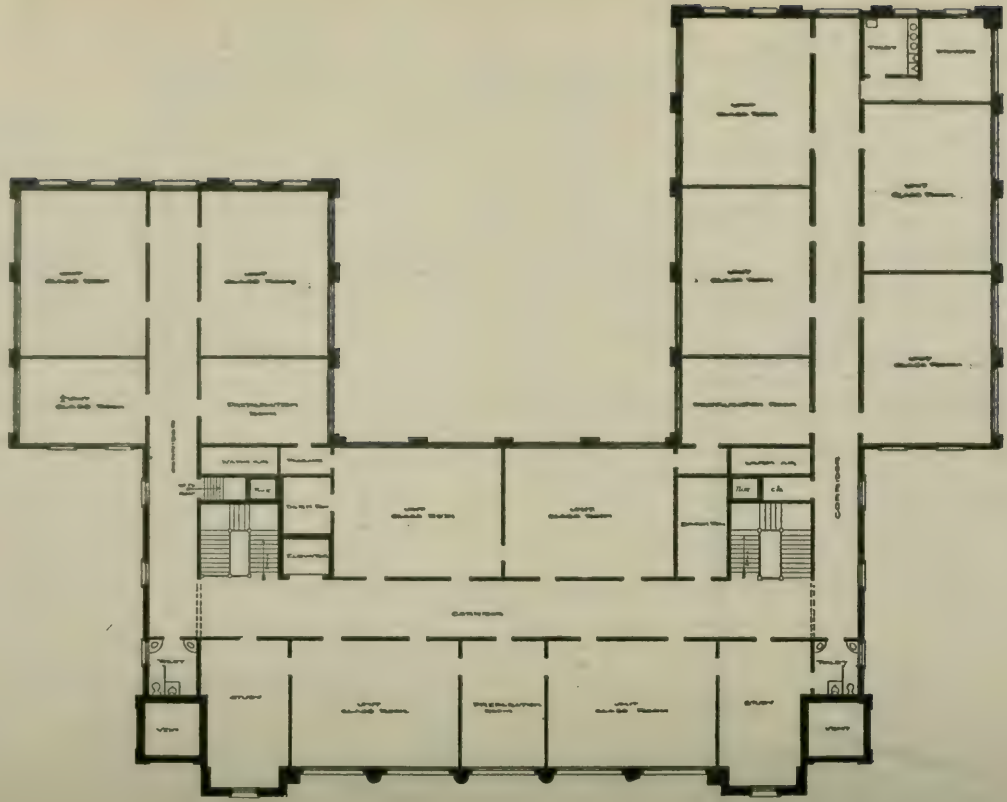
MEDICAL BUILDING.



GROUND FLOOR PLAN



—FIRST FLOOR PLAN—



SECOND FLOOR PLAN

The Faculty.

President of the University (pro tempore) ..... Maurice Hutton, M.A., LL.D.
Dean of the Faculty ..... R. A. Reeve, B.A., M.D., LL.D.
Secretary ..... A. Primrose, M.B., C.M., Edin.
Assistant Secretary ..... J. J. MacKenzie, B.A., M.B.

Professores Emeriti.

M. H. Aikins, B.A., M.D. — J. H. Richardson, M.D.
W. W. Ogden, M.D. — Uzziel Ogden, M.D.

Professors, Lecturers and Demonstrators.

ANATOMY.

Professor and Director of the Anatomical Department:
A. Primrose, M.B., C.M., Edin.

Associate Professor: H. Wilberforce Aikins, B.A., M.B.,

Demonstrator: C. B. Shuttleworth, M.D., C.M., F.R.C.S., Eng.

Assistant Demonstrators:

W. J. McCollum, M.B.
W. J. O. Malloch, B.A., M.B., F.R.C.S., Eng.
S. H. Westman, M.B.
George Elliott, M.D., C.M.
R. E. Hooper, B.A., M.B.
A. C. Hendrick, M.A., M.B.
A. J. McKenzie, B.A., LL.B., M.B.
D. McGillivray, M.B.
E. S. Ryerson, M.D., C.M.
F. W. Marlow, M.D., C.M., F.R.C.S., Eng.
W. A. Scott, B.A., M.B., F.R.C.S., Eng.
C. J. Copp, M.D., C.M.
G. E. Smith, B.A., M.B.

SURGERY.

Professors of Surgery and Clinical Surgery:
I. H. Cameron, M.B., F.R.C.S., Eng., LL.D, Edin.
F. LeM. Grassett, M.B., C.M., F.R.C.S., Edin.
L. Teskey, M.D., C.M.

Associate-Professor of Clinical Surgery and Clinical Anatomy:
G. A. Bingham, M.D., C.M., M.B.

Associate-Professors of Clinical Surgery:
A. PRIMROSE, M.B., C.M., Edin.
N. A. POWELL, M.D., C.M., M.D., Bellevue, N.Y.
W. OLDRIGHT, M.A., M.D.
H. A. BRUCE, M.D., F.R.C.S., Eng.
F. N. G. STARR, M.B.

Associate-Professor of Clinical Surgery, in charge of Orthopædics:
C. L. STARR, M.B.

Demonstrators in Clinical Surgery:
P. W. H. MCKEOWN, B.A., M.B.
C. A. TEMPLE, M.D., C.M.
A. H. GARRATT, M.D., C.M.
C. B. SHUTTLEWORTH, M.D., C.M., F.R.C.S., Eng.
T. B. RICHARDSON, M.D., C.M., F.R.C.S., Edin.
J. F. UREN, M.D., C.M.
G. SILVERTHORN, M.B.
E. S. RYERSON, M.D., C.M.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE, B.A., M.B.

Associate-Professor of Pathology and Bacteriology:
J. A. AMYOT, M.B.

Laboratory-Assistant in Bacteriology:
T. D. ARCHIBALD, B.A., M.B.

Demonstrators: G. SILVERTHORN, M.B., Tor.; C. J. WAGNER, M.B.

Assistant Demonstrators:
W. H. PEPLER, M.D., C.M.
H. C. PARSONS, B.A., M.D., C.M., M.R.C.P., Lond.
M. M. CRAWFORD, M.B.
F. A. CLARKSON, M.B.
E. S. RYERSON, M.D., C.M.
G. W. HOWLAND, B.A., M.B., M.R.C.P., Lond.
C. B. O'REILLY, M.D., C.M.
H. S. HUTCHISON, M.B.

Assistant in Clinical Laboratory:
M. H. V. CAMERON, M.B.
J. H. MCPHEDRAN, M.B.

MEDICINE.

Professor of Medicine and Clinical Medicine: A. MCPHEDRAN, M.B.

Associate-Professors of Medicine:
R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.
J. T. FOTHERINGHAM, B.A., M.D., C.M.

Professor of Clinical Medicine:
J. L. DAVISON, B.A., M.D., C.M.

Associate-Professors of Clinical Medicine:
A. M. BAINES, M.D., C.M.
W. P. CAVEN, M.B.
W. B. THISTLE, M.D.
J. T. FOTHERINGHAM, B.A., M.D., C.M.
A. R. GORDON, M.B.
R. J. DWYER, M.B., M.R.C.P., Lond.
H. B. ANDERSON, M.D., C.M.

Associates in Clinical Medicine:
R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.
G. CHAMBERS, B.A., M.B.
F. FENTON, M.D., C.M.
H. C. PARSONS, B.A., M.D., C.M., M.R.C.P., Lond.
W. GOLDIE, M.B.

Tutors in Medicine:
G. W. HOWLAND, B.A., M.B., M.R.C.P., Lond.
D. McGILLIVRAY, M.B.
T. D. ARCHIBALD, B.A., M.B.
W. J. McCOLLUM, M.B.

PREVENTIVE MEDICINE.

Professor of Preventive Medicine, Didactic and Clinical:
C. SHEARD, M.D., C.M.

MATERIA MEDICA AND THERAPEUTICS.

Professor of Materia Medica, Pharmacology and Therapeutics:
J. M. MacCALLUM, B.A., M.D.

Lecturer in Pharmacy and Pharmacology: Lecturer in Therapeutics:
V. E. HENDERSON, M.A., M.B.

Demonstrator of Pharmacy:
C. P. LUSK, M.D., C.M.

Class Assistants in Pharmacy and Pharmacology:
E. FIDLAR, B.A.
D. A. L. GRAHAM, M.B.
W. B. LARGE, B.A.
J. MacLACHLAN.
W. F. McPHEDRAN, B.A.
F. R. MILLER, B.A.

OBSTETRICS and GYNÆCOLOGY.

Professor of Gynæcology and Operative Obstetrics:
J. ALGERNON TEMPLE, M.D., C.M., McGill, LL.D.

Professor of Obstetrics:
A. H. WRIGHT, B.A., M.D.

Professor of Gynæcology:
J. F. W. ROSS, M.D.

Associate-Professor of Obstetrics and Pediatrics:
H. T. MACHELL, M.B.

Associate-Professor of Pediatrics:
A. M. BAINES, M.D., C.M.

Associates in Obstetrics:
K. C. MCILWRAITH, M.B.
F. FENTON, M.D., C.M.

Demonstrator in Gynæcology:
F. W. MARLOW, M.D., C.M., F.R.C.S., Eng.

OPHTHALMOLOGY AND OTOLOGY.

Professors: R. A. REEVE, B.A., M.D., LL.D.
G. S. RYERSON, M.D., C.M
G. H. BURNHAM, M.D., F.R.S.C., Edin.

Associate-Professor: C. TROW, M.D., C.M.

Associate: J. M. MACCALLUM, B.A., M.D.

LARYNGOLOGY AND RHINOLOGY.

Professor: G. R. MCDONAGH, M.D.

Associate-Professor:
D. J. GIBB WISHART, B.A., M.D., C.M., McGill.

Associate: G. BOYD, B.A., M.B.

HYGIENE.

Professor: W. OLDRIGHT, M.A., M.D.

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY.

Professor: A. B. MACALLUM, M.A., M.B., Ph.D., Johns Hopkins, Sc.D., Yale, LL.D., Aberd., F.R.S.

Demonstrator: V. E. HENDERSON, M.A., M.B.

Assistant Demonstrators:
A. C. HENDRICK, M.A., M.B.
W. F. MCPHEDRAN, B.A.
W. H. CRONYN, B.A., M.B.
E. FIDLER, B.A.
R. G. ARMOUR.
I. R. BELL, B.A.
MISS M. L. EDWARD, B.A.
W. B. LARGE, B.A.
F. C. HARRISON, B.A.
J. D. LOUDON, B.A., M.B.
P. B. MACFARLANE, B.A.
C. E. ROWLAND, B.A.

TOXICOLOGY.

Professor: W. H. ELLIS, M.A., M.B.

MEDICAL JURISPRUDENCE.

Professor: N. A. POWELL, M.D., C.M., M.D., Bellevue, N.Y.
Instructor: E. A. MCCULLOCH, B.A., M.B.

MENTAL DISEASES.

Extra-Mural Professors: N. H. BEEMER, M.B.
C. K. CLARKE, M.B.

BIOLOGY.

Professor of Biology:
R. RAMSAY WRIGHT, M.A., B.Sc., Edin., LL.D.
Associate Professor of Zoology:
B. A. BENSLEY, B.A., Ph.D.
Lecturer in Elementary Biology and Histology:
W. H. PIERSOL, B.A., M.B.
Lecturer and Laboratory Assistant:
E. BOYD, B.A.
Laboratory Assistant:
A. G. HUNTSMAN, B.A.

Class Assistants in Biology and Histology:
M. D. McKichan, B.A., M.B.
A. J. McKenzie, B.A., LL.B., M.B.
E. A. McCulloch, B.A., M.B.
W. A. Scott, B.A., M.B., F.R.C.S., Eng.
E. C. Cole, B.A.
C. M. Hincks, B.A.
P. G. Brown, B.A.
P. G. Brown, B.A.
I. R. Bell, B.A.
W. H. Tytler, B.A.

CHEMISTRY.

Professor: W. R. Lang, D.Sc., Glasg., F.I.C.

Associate-Professor of Chemistry:
F. B. Kenrick, M.A., Ph.D.

Associate-Professor of Medical Chemistry:
W. T. Stuart, M.B., M.D., C.M.

Lecturer: F. B. Allan, M.A., Ph.D.

Fellow: R. B. Stewart, M.A.

Assistants: J. A. M. Dawson, B.A.; T. B. Allan, B.A.; J. F. MacKey, B. A.; R. J. Manning, B.A.; K. J. McRae, B.A.; A. T. Stuart.

PHYSICS.

Professor:

Associate Professor and Director of the Physical Laboratory:
J. C. McLennan, B.A., Ph.D.

Lecture Assistant: J. A. Gardiner, B.A.

Demonstrators:
E. F. Burton, B.A., Cantab.
L. Gilchrist, M.A.

Assistant Demonstrators:
Miss L. B. Johnson, M.A.
D. B. Nugent, B.A.
W. Keast, B.A.

COURSES OF LECTURES.

METHODS OF INSTRUCTION, WINTER SESSION, 1907-08.

CHEMISTRY.

Professor: W. R. LANG.
Associate-Professor: F. B. KENRICK.
Associate-Professor of Medical Chemistry: W. T. STUART.
Lecturer: F. B. ALLAN.
Assistants: J. A. M. DAWSON, T. A. ALLAN, J. F. MACKAY, R. J. MANNING, K. J. MCRAE, A. T. STUART.
Fellow: R. B. STEWART.

All lectures and practical work will be given in the Chemical Building. The students of the First year attend a course of lectures delivered twice a week in the large lecture theatre, on Inorganic Chemistry. This course embraces the study of the non-metallic and metallic elements and of their principal compounds, based on Mendelejeff's classification of the elements.

Tutorial Classes: In addition to the Lectures the class is divided into sections, each of which meets one day a week for further instruction in Arthmetical Chemistry.

Text-books: Remsen's College Chemistry. Newth, Inorganic Chemistry. Newell, Descriptive Chemistry. Bailey's Tutorial Chemistry (2 vols.). Book of Reference—Bloxam.

The students of the Second year attend a course of lectures on Organic Chemistry, delivered twice a week. The principles of organic analyses and the basis on which the compounds of carbon are classified are explained, and the typical compounds and derivations of the "fatty" series specially described. An elementary study of the "aromatic" series is also included in the course.

Text-Books: Remsen's Organic Chemistry. Perkin & Kipping's Organic Chemistry. Books of Reference: Bernthsen's Organic Chemistry (English edition). Richter's Organic Chemistry (2 vols.) (English edition).

The laboratory work of the First year now commences with quantitative and qualitative experiments illustrating the fundamental principles of Chemistry, this is followed by work more intimately related to analytical chemistry to which the latter part of the session is devoted.

The laboratory work of the Second year includes elementary volumetric analysis, with special application to clinical medicine and sanitary science, and the analysis of urine; and qualitative analysis as applied in toxicology and medicine.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of three dollars* at the commencement of the session, which will be returned at its close after the following charges have been deducted from it:—

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

*This is in addition to the fee of three dollars mentioned as "Chemical Laboratory Supply Fee." on page 161.

PHYSICS.

Professor:

Associate Professor and Director of the Physical Laboratory:
J. C. McLennan.

Lecturer: L. Gilchrist.

Lecture Assistant:
J. A. Gardiner.

Demonstrators:
E. F. Burton.
L. Gilchrist.

Assistant Demonstrators:
Miss L. B. Johnson.
D. B. Nugent.
W. Keast.

The work of instruction in Physics consists of a series of lectures, and a course of practical work in the laboratories.

Lectures.

The lectures on Physics will give a concise outline of the entire subject, and are intended to form a satisfactory foundation for future study in other branches of science.

CHEMICAL BUILDING.

The various parts will be treated in an experimental manner, and will be considered in the following order:—

1. Mechanics:

General notions and terms, such as velocity, acceleration, mass, momentum, force, energy; together with calculations to illustrate the laws.

2. Hydrostatics:

Pressures and their transmission, specific gravity, and general properties of liquids and gases.

3. Sound:

General explanation of wave-motion, reflection and interference of sound, tuning forks, organ-pipes, strings, and the musical scale.

4. Heat:

Thermometers, expansion, specific heat, latent heat, and other ordinary phenomena.

5. Light:

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, colour, double-refraction and polarization.

6. Electricity and Magnetism:

Laws of magnetism; voltaic cell, chemical, magnetic and heating effect of the electric current; induction, the induction-coil, dynamo, etc.

Practical Work.

The Practical Work, consisting of a laboratory course of fifty hours, designed to illustrate the principles dealt with in the lectures, will be conducted by a number of Demonstrators under the supervision of the Director of the Laboratory.

Regulations.

Deposit Fee: Each student taking the laboratory course is required to make a deposit of two dollars ($2.00) before commencing work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

BIOLOGY.

Professor of Biology: R. RAMSAY WRIGHT.
Associate Professor of Zoology: B. A. BENSLEY.
Lecturer in Elementary Biology and Histology: W. H. PIERSOL.
Class Assistants in Biology and Histology: M. D. MCKICHAN; A. J. MACKENZIE; E. A. MCCULLOUGH; W. A. SCOTT; E. C. COLE; C. M. HINCKS; P. G. BROWN; I. R. BELL; W. H. TYTLER.
Lecturer and Laboratory Assistant: E. BOYD.
Laboratory Assistant: A. G. HUNTSMAN.

1. Students of the First year will attend a course of lectures on general biology, to be given twice a week throughout the session. This course of lectures is designed as an introduction of the whole range of biological studies. After a sketch of the scope and objects of these, the lectures will treat (1) of the fundamental principles of biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants in ascending order, (3) of typical forms of animals in a similar order, and (4) special reference will be made to those aspects of Biology of interest to students of Medicine.

2. A practical course of fifty hours' duration is conducted by Dr. Piersol in which various types are studied and which serves as an introduction to the use of the microscope.

3. A supplementary course of twenty-five lectures is given in connection with the foregoing.

4. A course of twenty-five lectures on embryology by the Professor will be chiefly devoted to the development of the external form of the organs and of the tissues of the human body, but the necessary comparative data for the proper understanding of these will be supplied by reference to the embryology of the amphibia and the birds. The student may consult the large collection of models of embryology in the Museum, which are now furnished with explanatory labels designed to supplement the instruction given in the lectures.

5. A similar series of twenty-five lectures on histology is designed to cover the general principles of Human Histology.

6. In illustration of the foregoing courses the Lecturer, with the aid of the assistants, will conduct a practical course on Histology and Embryology of one hundred hours. The student will have the opportunity of providing himself with a set of typical specimens illustrative of histology, and of

studying a carefully selected series of embryological preparations, and of becoming acquainted with the methods employed in Histology and Embryology.

THE BIOLOGICAL MUSEUM.

The University Biological Museum forms the central portion of the Biological Buildings. It is primarily intended as an educational Museum for the students taking biology as part of their University work. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate. The Museum, however, being open every afternoon, is also of great interest to the general public and attracts even greater numbers of visitors than the old Natural History Museum in the University Building.

The public entrance to the Museum is situated in the west façade of the Biological Buildings, while the students gain access to the rooms through the eastern wing, in which the laboratories are located. The interior of the Museum, which occupies two floors, is sub-divided into four rooms, seventy-five by twenty-five feet in size, amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to Animal Biology, while the fourth is being arranged for the illustration of Vegetable Biology.

The public entrance opens into the north ground-floor room, the wall-cases in which contain stuffed specimens of the various orders of Mammals, which the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show-cases are constructed of iron and plate-glass, those destined for the exhibition of smaller specimens standing on wooden storage-cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground-floor room is devoted to the remaining vertebrate classes, the wall-cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distin-

guished biologists connects the ground-floor and the first floor; a number of wall-cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall-cases and the table cases standing in the alcoves of these, while the protozoa, sponges, cœlenterates, echinoderms or worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered considerable losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

PHYSIOLOGY.

Professor of Physiology and Physiological Chemistry: A. B. MACALLUM.
Demonstrator: V. E. HENDERSON.
Assistant Demonstrators: A. C. HENDRICK, W. F. MCPHEDRAN, W. H. CRONYN, E. FIDLAR, R. G. ARMOUR, I. R. BELL, MISS M. L. EDWARDS, W. B. LARGE, F. C. HARRISON, J. D. LOUDON, P. B. MACFARLANE, C. E. ROWLAND.

Three courses of instruction are given in Physiology and Physiological Chemistry, one of which is primary, the others advanced.

1. The primary course, comprehending thirty lectures, with demonstrations, is given in the Easter Term and for students of the First year.

2. A laboratory course, equivalent to two hours a week throughout the session, will be required of each student of the First year. This course covering four months is devoted to Experimental Physiology. For this purpose the class is divided into groups of two, each couple of students working together on the whole course of experiments and throughout the period allotted for the same. Each group will be given the

complete set of instruments necessary to carry out all the experiments required in the course, and will be expected to preserve for inspection all the graphic records which they may obtain. Each student will be expected to be thoroughly familiar with the proper use of all the apparatus given him.

Students must give evidence of proficiency in this course before they will be allowed to proceed with the Advanced Course of the Second Year and the standing obtained will be considered in determining the ranking in the Class List of Second Year.

3. The advanced course of lectures, which are four a week throughout the session, is arranged for the students of the Second year. It will comprehend the subjects, Physiology and Physiological Chemistry, and it will be specially adapted to the course of laboratory work which also each student is required to take. The course of lectures will begin with a discussion of the characters and classification of the more important chemical compounds of physiological origin, but subsequently, the chemistry of the tissues, and of the various physiological fluids and excretions will be fully discussed in their natural order in the lectures on the functions of the organs.

4. An advanced laboratory course of six hours a week throughout the session is required of each student who takes the advanced course of lectures on Physiology and Physiological Chemistry.

This course is devoted to the physiology of nutrition, respiration, hearing, vision, and of the nervous system, to the practical examination of the chemistry of physiological compounds, of blood, lymph, muscle, the digestive fluids, bile, and urine, and the student will be expected to acquire a practical knowledge of the methods of Volumetric Analysis employed in the estimation of chlorides, and phosphates, and nitrogen in physiological fluids, and in the estimation of sugar, urea, and uric acid. The course in Hæmatology will comprehend the various methods of estimating the number of corpuscles of different kinds and of determining the amount of hæmoglobin. For all these purposes the laboratories for Physiological Chemistry are specially arranged.

Every student of the Second Year must attain a certain standard in the Laboratory Exercises in Physiology and

Physiological Chemistry before he will be allowed to proceed to the University examinations in Physiology.

From time to time test examinations will be held to determine the student's practical knowledge and the results of these as well as of his general work in the laboratory will be used to determine his position in the University class lists.

In the primary and advanced courses the student will be required to make good all loss through breakage or otherwise.

ANATOMY.

Professor and Director of the Anatomical Department: A. PRIMROSE.
Associate-Professor: H. W. AIKINS.
Demonstrator: C. B. SHUTTLEWORTH.
Assistant Demonstrators: W. J. MCCOLLUM, W. J. O. MALLOCH, S. H. WESTMAN, GEO. ELLIOTT, E. R. HOOPER, A. C. HENDRICK, A. J. MCKENZIE, D. MCGILLIVRAY, E. S. RYERSON, F. W. MARLOW, W. A. SCOTT, C. J. COPP, G. E. SMITH.

Lectures.—A course of lectures will be given in the Biological Department for students of the First and Second years; in this course the structure of the human body will be described in a systematic manner; the various organs of the body will be examined with their more important relations and connections. In order that the course may be more comprehensive certain principles in general morphology and development will be elucidated. The lectures will be illustrated by recent dissections, by wet and dry preparations and by drawings and diagrams. In the class-rooms a projection apparatus will be employed for the purpose of throwing upon a screen an enlarged view of the photographs, taken from the valuable preparations which are displayed for study in the Museum. This greatly facilitates the demonstration of anatomical structure before a large class; plates of these preparations will be distributed among the students.

Tutorial instruction will be given to limited classes for the purpose of studying osteology, and for the demonstration of the structure of the central nervous system and the special sense organs.

A course of lectures will be given for students of the Third and Fourth years. This course will consist of a systematic

study of the regional anatomy of the human body as applied in the practice of medicine and surgery. The lectures will be illustrated by suitable preparations, and a series of demonstrations of landmarks will be conducted on the living subject.

Demonstrations.—A series of demonstrations will be conducted for students of the Second year. In this class the main facts in gross human anatomy will be demonstrated from recent dissections.

Dissection.—The dissecting-room will be open daily from 9 a.m. until 6 p.m. on Monday, Tuesday, Wednesday, Thursday and Friday, and from 9 a.m. till 12 noon on Saturday. Students will be required to conduct their work in a systematic manner and to conform to the regulations in force in the dissecting-room. One or more of the Assistant-Demonstrators will be in attendance at all times for the purpose of superintending the work of the students, and of giving instruction. Examinations will be conducted from time to time on the parts dissected, and marks allotted for the work done. Certificates for work in practical anatomy are granted to such students only as have obtained the requisite number of marks in the examinations.

The dissecting-room is admirably adapted for the purposes of practical anatomy. It is large and well ventilated, and is equipped in such a manner as to afford every possible comfort and convenience to the student. Each student is provided with a locker for his private use. A notable feature of the dissecting-room is the excellent light, the room being lighted from the roof through extensive sky-lights, and when sunlight fails, electricity is employed with equally good effect.

Museum.—In connection with the dissecting-room a series of preparations have been mounted for the purpose of study. The disarticulated bones of the skeleton are included in this collection, together with frozen sections of the human body; wet preparations, illustrating regional anatomy, are also provided. A valuable and instructive series of Steger's models of frozen sections of His are exhibited in the Museum, together with a complete series of dissections of the brain and other preparations. Cunningham's series of models illustrating the topographical anatomy of the brain are also exhibited.

THE UNIVERSITY BIOLOGICAL MUSEUM.—VIEW OF SOUTH PORTION OF GROUND FLOOR.

THE UNIVERSITY BIOLOGICAL MUSEUM—VIEW OF NORTH PORTION OF GROUND FLOOR.

Arrangements are such that a student may obtain bones from the osteological store-room, which he may take home for a limited period, if he so desire.

A pamphlet will be issued containing directions for the guidance of students of the class in anatomy, with the regulations for the dissecting-room. This should be procured by all students enrolled in the Anatomical Department.

MATERIA MEDICA AND THERAPEUTICS.

Professor of Materia Medica, Pharmacology and Therapeutics:
J. M. MACCALLUM.

Lecturer in Pharmacy, Pharmacology and Therapeutics:
V. E. HENDERSON.

Demonstrator of Pharmacy:
C. P. LUSK.

Class Assistants in Pharmacy and Pharmacology:
E. FIDLAR.
D. A. L. GRAHAM.
W. B. LARGE.
J. MACLACHLAN.
W. F. MCPHEDRAN.
F. R. MILLER.

The course in therapeutics includes: 1. General therapeutics of the nature and action of remedies generally. 2. The various forms in which medicines are administered, and the channels through which they are introduced into the system. 3. Diet, hydrotherapy, massage, electricity and climate will also be dealt with. 4. Special therapeutics of the various organs of the body. This is treated in a practical and rational manner from the standpoint of the pathological conditions underlying disease, and will be accompanied in as far as possible by clinical demonstrations.

There will be two courses of lectures in the Second year. The first course will include Materia Medica and Pharmacy. The work will be demonstrative in character, the student being familiarized with the important drugs and their preparations by daily demonstrations in the class room. The demonstrations will include the important non-official as well as the official drugs.

The method of preparing the different groups of preparations, tinctures, ointments, suppositories, etc., will be shewn to the class as far as is practically necessary.

The general principles of posology, the factors modifying the doses of drugs will also be considered, and the writing of prescriptions with a view to the practical application of the course.

The Second course of lectures will be on the pharmacological actions of the official and important non-official drugs.

A practical experimental course with special demonstrations will accompany the above lecture course. Each student will thus have an opportunity to test for himself the pharmacological action of some of the more important drugs. The drugs thus studied will in as far as possible be typical of the various pharmacological groups.

The Department possesses a very complete collection of crude and prepared drugs. These specimens are made use of in illustrating the lecture and are displayed for inspection by the students in suitable glass cases.

MEDICINE.

Professor of Medicine and Clinical Medicine: A. McPHEDRAN.
Associate Professors of Medicine: R. D. RUDOLF, J. T. FOTHERINGHAM.
Professor of Clinical Medicine: J. L. DAVISON.
Associate Professors of Clinical Medicine: ALLAN M. BAINES.
W. P. CAVEN, W. B. THISTLE, J. T. FOTHERINGHAM,
A. R. GORDON, R. J. DWYER, H. B. ANDERSON.
Associates in Clinical Medicine: R. D. RUDOLF, G. CHAMBERS, H. C. PARSONS, W. GOLDIE, F. FENTON.
Tutors: D. McGILLIVRAY, T. D. ARCHIBALD, G. W. HOWLAND, W. J. McCOLLUM.

These lectures are devoted to the consideration of the general principles of medicine and to the discussion of the internal diseases met with in this climate. When the subjects under consideration can be demonstrated to the whole class patients will be presented to illustrate the lectures. This method has been found of the greatest advantage. The wards and out-patient rooms of the several hospitals afford facilities for demonstrations to smaller classes. The lectures are also illustrated by lantern-slides, models, etc., from the Museum, and by morbid specimens from the Pathological Department.

The Third year class receives tutorial instruction in sections every week.

The teaching in Clinical Medicine is carried on at the Toronto General and St. Michael's Hospitals and the Victoria Hospital for Sick Children.

I.—THE STUDENTS OF THE THIRD YEAR are given instruction as follows:—

(1) In physical diagnosis, and methods of examining patients.

(2) In case-taking, they are required to report cases in the out-patient departments and wards of the hospitals.

(3) In the treatment of the more common diseases.

(4) A systematic course in clinical laboratory methods.

II.—THE GRADUATING CLASS will receive instruction as follows:—

(1) Clinical lectures in the hospital theatres.

(2) Clinical instruction in small classes in the wards of the hospitals.

(3) In preparing accurate histories and carrying out the requisite laboratory investigations of the cases assigned to them.

(4) Instruction in the various therapeutic means applicable to the cases under observation.

DISEASES OF CHILDREN.

This course comprises lectures to Third and Fourth year students on such subjects as diseases of the newly-born, infant feeding, diseases of the digestive system, the acute infectious diseases, etc. Daily clinics are held at the Hospital for Sick Children on medical and surgical cases in hospital.

PREVENTIVE MEDICINE.

Professor of Preventive Medicine, Didactic and Clinical: C. SHEARD.

The course will consist of not more than 15 didactic and not less than 50 clinical lectures on the subject of Preventive Medicine, including instruction on the Exanthemata.

Contagion and infection, management of epidemics and quarantine will be dealt with.

SURGERY.

Professors of Surgery and Clinical Surgery:
I. H. CAMERON, F. LEM. GRASETT, L. TESKEY.
Associate Professor of Clinical Surgery and Clinical Anatomy:
G. A. BINGHAM.
Associate Professors of Clinical Surgery:
A. PRIMROSE, N. A. POWELL, W. OLDRIGHT, H. A. BRUCE, F. N. G. STARR.
Associate Professor of Clinical Surgery in Charge of Orthopædics:
C. L. STARR.
Demonstrators in Clinical Surgery:
P. W. H. MACKEOWN, C. A. TEMPLE, A. H. GARRATT, C. B. SHUTTLEWORTH, T. B. RICHARDSON, J. F. UREN, G. SILVERTHORN, E. S. RYERSON.

This course of lectures comprehends:—

1. The general principles of surgery, as based upon what is known as: (*a*) The natural history of diseases of a surgical character as they affect the human frame, as, for example, abscess, ulceration, mortification, tumours, etc.; (*b*) The processes of repair and regeneration taking place in tissues, which have been diseased, such as the healing of wounds, the expulsion of foreign bodies, as bullets, dead bone, etc.: and (*c*) The part played in the economy by micro-organisms, involving a consideration of the germ theory of disease.

2. Surgical Injuries.

(*a*) Of tissues, as fractures, dislocations, and injuries to nerves, blood vessels, etc.

(*b*) Of organs contained in the so-called cavities of the body, the brain, lungs and abdominal viscera.

3. Surgical diseases, as aneurysm, varicose veins, calculus in the kidney or bladder, hernia, tuberculous disease of joints, bones, testicles, etc., pyæmia, erysipelas, etc.

4. The correction of malformations, deformities and defects, as club-foot, spinal curvatures, hare-lip, cleft-palate and other conditions usually classified under the headings of orthopædic and plastic surgery.

The course will be illustrated by plates and drawings, by specimens from the Museum and fresh specimens from the operating and post-mortem rooms, and by special reference to clinical cases falling under the immediate observation of the students in the wards of the Hospitals.

CLINICAL SURGERY.

In teaching clinical surgery, an effort is made to give as much personal instruction to each student as possible, and whenever it is practicable he is permitted to make a careful examination of the patients brought before the class. In order to facilitate this the classes are made small, and are graded to some extent according to the degree of advancement of the students in their studies. Whenever dressings are done and apparatus applied in the presence of the classes, each step of the proceeding is explained by the surgeon and the clinical clerks and dressers participate in the actual work.

During his course, each student has an opportunity of acting as clinical clerk and dresser, thus being afforded facilities for coming into that immediate contact with the patient which is so important from the point of view of practice and which lends so much additional interest to the cases in his charge.

The material available for the instruction of students is abundant, consisting of out-door and in-door patients in the Toronto General Hospital, St. Michael's Hospital and the Hospital for Sick Children. In the last-named institution may be found cases, in great numbers and varieties, illustrating all the diseases, deformities and defects, such as club-foot, hare-lip, hip-joint disease, Pott's disease, and other conditions met with most frequently in the young.

A course of practical demonstrations in the technique of antiseptic surgery and wound treatment, the methods of surgical anæsthesia, general or local; the preparation and application of retentive apparatus in fractures, and allied subjects will be given to the Third year. Bandaging and other details of minor surgery will form a part of the course.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE.

Associate Professor of Pathology and Bacteriology: J. A. AMYOT.

Laboratory Assistant in Bacteriology: T. D. ARCHIBALD.

Demonstrators of Pathology:

G. SILVERTHORN.

C. J. WAGNER.

Assistant Demonstrators in Pathology:

W. H. PEPLER, H. C. PARSONS, M. M. CRAWFORD, F. A. CLARKSON, E. S. RYERSON, G. W. HOWLAND, H. S. HUTCHISON, C. B. O'REILLY.

Assistants in Clinical Laboratory:

M. H. V. CAMERON, J. H. MCPHEDRAN.

The course embraces lectures on general and special pathology, with demonstrations in gross morbid anatomy and pathological histology. The lectures to the Third year students will be mainly upon general pathology and bacteriology, and those to the students of the Fourth year, upon special pathology. Post-mortem examinations are performed by the Professor of Pathology at the General Hospital, and the students of the Fourth year will be expected to take part in these. Gross demonstrations are given in the Hospital mortuary and in the Pathological Laboratory, not only upon fresh material obtained from the hospitals, but upon materials obtained at other institutions in the city and upon specimens from the pathological museum.

The Pathological Laboratory is fully equipped with microscopes and other apparatus necessary for the study of pathological histology, and students of both years prepare and study about one hundred and fifty specimens of morbid tissue, the Third year students devoting their time to work in general pathology, whilst students of the Fourth year study the special pathological histology of the organs.

The clinical laboratories are under the charge of two assistants who are in constant attendance to give advice and instruction to students in their work in the examination of urine, blood, stomach contents, sputum, etc., and full records of the work of each student are preserved.

The pathological museum contains about two thousand specimens and is constantly growing, and students are given

access to the cases and are expected to make as full use of the specimens as possible in their reading.

Classes in bacteriology are held every afternoon throughout the session, and the students of the Third year are subdivided so as to give each student about eight weeks' continuous work in the bacteriological laboratory.

HYGIENE.

Professor: W. Oldright.

The student is recommended to obtain from one of the works mentioned in the list of text-books a knowledge of the subject of the next succeeding lecture. The information thus obtained will be supplemented in the lectures, and fuller consideration given to those points which require special attention on account of differences of climate, population, occupations, social and political organization, and other circumstances in Canada. Students are also guided in regard to sources of information and current literature relating to health work in this country. Visits are made to some outside institutions for practical demonstrations in subjects pertaining to Hygiene.

In addition to the theoretical teaching, practical demonstrations are given by means of various instruments and apparatus. The following subjects are embraced in the course: air, impurities and their effects, ventilation and heating; hygiene architecture; climatology: sewerage and disposal of refuse; water supplies; foods, dietaries, adulterations; occupations, physical and mental exercise and overwork; clothing; baths; duties and functions of medical officers of health and boards of health; vital statistics; sanitary legislation—federal, provincial and municipal.

Museum of Hygiene.

The enlargement of the Museum of Hygiene and additions to the apparatus and samples for teaching and illustrating the various branches of Hygiene still continue, and exhibits contributed by manufacturers and other persons interested in the subject are being constantly added.

TOXICOLOGY.

Professor: W. H. ELLIS.

A series of lectures and demonstrations on toxicology is given under the following heads:—

THE NATURE OF POISONS.

Their properties, physical, chemical and physiological.

THE OCCURRENCE OF POISONS.

In nature, in the arts, and in common life. Danger from poisoning incidental to particular callings. Genesis of poisons in the dead and in the living body.

ANTIDOTES TO POISONS.

THE DETECTION OF POISONS.

Identification of poisons in the pure state. Separation from organic matter.

Post-mortem examinations for poisons.

MEDICAL JURISPRUDENCE.

Professor: N. A. POWELL.
Instructor: E. A. MCCULLOCH.

The course will embrace *inter alia* a discussion of the medico-legal aspects of the following subjects:—

Medical evidence, ordinary and expert; inquests.

Thanatology—Signs of the reality of death; *post mortem* changes; autopsies and reports.

Presumption of death and of survivorship.

Personal identity of the living and of the dead.

Causes producing violent death, such as wounds, burns and scalds, heat or cold, lightning and electricity.

Strangulation, hanging, drowning, suffocation, starvation, feigned diseases, malingerings.

Medico-legal aspects of pregnancy.

Criminal abortion, infanticide, live birth, legitimacy, impotency and sterility.

Rape and allied offences against chastity.

Life assurance; medical ethics.

Civil and criminal malpractice.

MENTAL DISEASES.

Extra-Mural Professors: N. H. BEEMER, C. K. CLARKE.

The course of lectures will be partly didactic, given in the lecture-rooms, and partly clinical, given at the Asylums. The subjects discussed will be altogether practical, and will embrace the following:—

1st. Definitions of terms in common use, and the reasons for their frequent misapplication.

2nd. Leading conditions in which a knowledge of mental diseases is necessary.

3rd. Groundwork of various classifications of mental diseases.

4th. Causes of mental diseases.

5th. Principal forms of mental diseases, with clinical illustrations.

6th. Special forms of mental diseases, with examples.

7th. Essential observations in making medical certificates, and methods of admittance to institutions.

8th. Treatment of various forms of mental diseases.

OBSTETRICS, GYNAECOLOGY AND PEDIATRICS.

Professor of Gynæcology and Operative Obstetrics:
J. ALGERNON TEMPLE.
Professor of Obstetrics: A. H. WRIGHT.
Professor of Gynæcology: J. F. W. ROSS.
Associate Professor of Obstetrics and Pediatrics: H. T. MACHELL.
Associate Professor of Pediatrics: A. M. BAINES.
Associate in Obstetrics: K. C. MCILWRAITH, F. FENTON.
Demonstrator in Gynæcology: F. W. MARLOW.

There will be two separate courses in obstetrics; one for the students of the Third year in physiological obstetrics, and the other for students of the Fourth year in pathological obstetrics.

The Third year course in physiological obstetrics will include the following: anatomy and physiology of the female organs of reproduction; physiology of pregnancy; physiology, mechanism, and management of labour; management of the puerperal state; management of the infant.

The Fourth year course on pathological obstetrics will include: diseases of pregnancy, abortion and premature labour

dystocia, accidents before and after delivery, obstetrical operations, puerperal diseases, including septicæmia.

Practical demonstrations will be given on the phatom or cadaver, and diagrams, specimens, models, etc., will be used in illustrating the various subjects treated of in the two courses.

In the department of Gynæcology instruction will be given on the various methods of examination and diagnosis; the use and application of instruments; and the symptoms, diagnosis and treatment of diseases peculiar to women.

The disorders of menstruation, leucorrhœa, chlorosis, metritis in its various forms, tumours, displacements and diseases of the uterus and ovaries, laceration of the cervix uteri and perineum, and abdominal surgery, will be treated of and illustrated by large plates, casts and morbid specimens in the didactic course, while operative gynæcology will be demonstrated in the Clinics in the Toronto General Hospital.

A special course of instruction in Disease in Children will be conducted by the Associate-Professor of Ostetrics and Pediatrics. He will be assisted in the clinical work by other members of the Faculty who are on the staff of the Hospital for Sick Children.

OPHTHALMOLOGY AND OTOLOGY.

Professors: R. A. REEVE, G. S. RYERSON, G. H. BURNHAM.
Associate Professor: C. TROW.
Associate: J. M. MACCALLUM.

In addition to the short course of didactic lectures on Diseases of the Eye and Ear at the University, practical instruction will be given four times in the week at the clinics in the Provincial (Mercer) Eye and Ear Infirmary, Toronto General Hospital.

LARYNGOLOGY AND RHINOLOGY.

Professor: G. R. MCDONAGH.
Associate Professor: D. J. GIBB WISHART.
Associate: GEOFFREY BOYD.

In the department of Larynology and Rhinology, a course of practical lectures on the commoner forms of disease of the Throat and Nose will be given, and in the General Hospital there will be clinical teaching and opportunities for examining patients on four afternoons each week.

THE TORONTO GENERAL HOSPITAL.

The following members of the Faculty are members of the staff of the Toronto General Hospital.

Consulting.

PROF. J. H. RICHARDSON, M.D.
PROF. U. OGDEN, M.D.
PROF. C. SHEARD, M.D.

Physicians.

PROF. A. MCPHEDRAN, M.B.
PROF. A. M. BAINES, M.D.
PROF. J. L. DAVISON, M.D.
PROF. W. P. CAVEN, M.B.

Surgeons.

PROF. I. H. CAMERON, M.B.
PROF. F. LEM. GRASETT, M.B.
PROF. L. TESKEY.

Assistant Surgeons.

PROF. G. BINGHAM, M.B.
PROF. A. PRIMROSE, M.B.
PROF. N. A. POWELL, M.D.
PROF. F. N. G. STARR, M.B.
PROF. H. A. BRUCE, M.B.
A. H. GARRATT, M.B.

Assistant Physicians.

PROF. J. T. FOTHERINGHAM, M.D.
PROF. W. B. THISTLE, M.B.
PROF. A. R. GORDON, M.B.
G. CHAMBERS, M.B.
W. H. PEPLER, M.D.

Out-door.

Surgeons.

C. A. TEMPLE, M.D.
PROF. C. L. STARR, M.B.
C. B. SHUTTLEWORTH, M.D.
T. B. RICHARDSON, M.D.
E. S. RYERSON, M.D.

Physicians.

PROF. R. D. RUDOLF, M.D.
W. GOLDIE, M.B.
G. ELLIOTT, M.D.
PROF. R. J. DWYER, M.B.
D. MCGILLIVRAY, M.B.

Obstetricians.

PROF. A. H. WRIGHT, M.D.
K. C. MCILWRAITH, M.B.
F. FENTON, M.D.

Gynæcologists.

PROF. J. A. TEMPLE, M.D.
PROF. J. F. W. ROSS, M.D.
F. W. MARLOW, M.B.

Pathology.

PROF. J. J. MCKENZIE, M.B.
PROF. H. B. ANDERSON, M.D.
H. C. PARSONS, M.D.
PROF. J. A. AMYOT, M.B
W. GOLDIE, M.B.

Ophthalmology and Otology.

PROF. R. A. REEVE, M.D. PROF. C. TROW, M.D.
PROF. G. S. RYERSON, M.D. PROF. G. H. BURNHAM, M.D.
PROF. J. M. MACCALLUM, M.D.

Rhinology and Laryngology.

PROF. G. R. MCDONAGH, M.D. PROF. D. J. GIBB WISHART, M.D.
G. BOYD, M.B.

Registrars.

G. W. HOWLAND, M.B. F. W. MARLOW, M.D.

The Hospital has now 425 beds, and during the year the number of in-patients under treatment has varied from 250 to 300. During last year about 3,300 patients were admitted, and 16,000 patients received treatment in the out-door department.

All the patients in the Hospital are, as a rule, suffering from acute medical or surgical disease: the chronic cases are generally sent to the Home of Incurables or House of Providence, and the convalescent patients are sent to the Convalescent Home, recently enlarged on Well's Hill.

Clinical Training.

Clinical instruction is given in the various departments of the Hospital on all classes of patients.

I. *Theatre Lectures*:—Clinical Lectures are given on patients brought from the wards to the large theatre, by the professors of clinical medicine and of clinical surgery to the students of the Third and Fourth years.

II. *Instruction in the Wards*:—

(*a*) Medicine and Surgery:—A systematic course of bedside instruction is given to a limited class of students. Arrangements are such that each physician and surgeon or his assistant is in daily attendance for the purpose of imparting instruction at the bedside. By this means provision is made for continuous daily work in the ward, and students of both Third and Fourth years are required to avail themselves of it.

(*b*) Gynæcology:—Small classes of students receive instruction in diseases peculiar to women in the pavilion spe-

cially devoted to the treatment of such patients. These classes meet twice a week. Increased facilities have recently been provided for an out-door gynæcological clinic.

(*c*) Obstetrics:—In the Burnside Lying-in Hospital, in which there are over 200 births a year, final students are permitted to witness and assist in the conduct of *labours*. Students are also allowed to make engagements with out-patients and to attend them in confinements at their own home.

(*d*) Ophthalmology, Otology, Laryngology and Rhinology:—Diseases of the eye, ear, throat and nose are studied in the wards of the Andrew Mercer Infirmary.

III. *Surgical Operations*:—Surgical operations are performed in the large theatre every morning, or in cases of emergency at any time during the day or night when required. The theatre, which has recently been altered and enlarged, is capable of seating a large number of students, and in the completeness of its arrangements is not excelled. The facilities afforded the students situated in all parts of the room for witnessing operations in all their details are unusually good.

IV. *Out-patients Clinics*:—The recent provision which has been made for the accommodation of out-patients will afford unsurpassed facilities for instruction in the important class of diseases which here pass under observation. A physician and a surgeon are in attendance daily, and the patients serve to illustrate the instruction. The cases presenting themselves in the special departments of the Hospital devoted to diseases of the eye, ear, etc., are available in the same manner. There will also be an out-door clinic in gynæcology.

V. *Pathology*:—

(*a*) Autopsies:—These are performed at stated hours by the Professor, or the Demonstrator of Pathology. The examinations are conducted in a systematic way, and instruction on the morbid conditions found is imparted to the students. The bearings of the gross post-mortem appearances on the conditions previously found at the bedside are carefully investigated, and, when necessary, arrangements are made for further examination, microscopical and chemical. There are about 200 autopsies during the year. Recently the theatre in which autopsies are made has been completely remodelled and

every facility is provided for conducting the examinations. The light is excellent and the room capable of accommodating 150 students.

(*b*) The examination and analysis of the various fluids, excreta and pathological products of patients in the wards, are conducted in the University Hospital laboratory. Students are required to keep systematic records of the results obtained by these examinations.

Clinical Clerks and Surgical Dressers.

Clinical clerks and surgical dressers are appointed to act for limited periods. They are required to take complete histories of cases allotted to them, and to receive certificates for the same, as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room, which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of gynæcology, ophthalmology and otology.

Every student in the Department of Surgery shall be required to take the history, attend the dressing and keep the record of six cases in the Ward.

If any such cases come to operation he shall attend the same, disinfect himself, don an operating gown and come within the pale of the theatre to render such assistance as may be required of him, and to record the facts of the operation and the result. If any such come to post-mortem examination he shall attend the same, render such assistance as may be required of him and record the findings.

Students in Clinical Medicine shall be required to observe this last regulation respecting attendance at post-mortem examinations.

Resident Assistants in the Hospital.

A number of resident assistants are appointed annually from the graduates in medicine of the University, and hold their positions for one year. They will have full opportunities for acquiring experience in the general and special wards of the Hospital, and during the session they will have charge under the physicians and surgeons in the general wards.

The Appointment of Students of the Fifth Year.

Certain junior positions on the House Staff of the Toronto General Hospital will be available for students in the Fifth Year, and selection of suitable men for these positions will be made in a similar manner to that adopted in connection with the Senior House Appointments. Any candidate wishing to apply for such position should make formal application to the Hospital authorities, addressing his communication to the Secretary of the Toronto General Hospital.

LABORATORY AND HOUSE STAFF 1907-1908.

Pathological Laboratory.

D. L. GRAHAM, M.B.

Clinical Laboratory.

D. E. ROBERTSON, M.B.

Laboratory of Immune Therapy and Medical Research.

G. W. ROSS, M.B.

HOUSE STAFF.

G. S. STRATHY, M.D.
C. E. SPENCE, M.B.
J. A. KINNEAR, M.D.
A. W. BEATTIE, M.D.
A. G. WALLIS, M.B.
R. B. BURWELL, M.B.
D. H. BODDINGTON, M.B.
E. C. DICKSON, M.B.
J. C. MASSON, M.B.
W. A. LEWIS, M.D.
A. S. MOORHEAD, M.B.
R. J. MACMILLAN, M.B.
A. H. ROLPH, M.B.

HOSPITAL FOR SICK CHILDREN.

The following members of the Faculty are members of the Staff of the Hospital for Sick Children Consulting Staff.

PROF. A. MCPHEDRAN, M.B.
PROF. N. A. POWELL, M.D.

Physicians.

PROF. A. M. BAINES, M.D.
PROF. H. T. MACHELL, M.B.
PROF. J. T. FOTHERINGHAM, M.D.
PROF. W. B. THISTLE, M.D.
PROF. R. D. RUDOLF, M.D.
H. C. PARSONS, M.D.

Surgeons.

PROF. I. H. CAMERON, M.B.
PROF. A. PRIMROSE, M.B.
PROF. CLARENCE L. STARR, M.B.
PROF. F. N. G. STARR, M.B.
S. H. WESTMAN, M.B.
C. B. SHUTTLEWORTH, M.D.
W. E. GALLIE, M.B.

Ophthalmology and Otology.

PROF. J. M. MACCALLUM, M.D.

Rhinology and Laryngology.

PROF. D. J. GIBB WISHART.

Physician to the Infectious Wards.

W. GOLDIE, M.B. C. J. COPP, M.B.

Pathologist.

T. B. ARCHIBALD, M.B.

Registrars.

Surgical.	*Medical.*
E. S. RYERSON, M.B.	J. S. GRAHAM, M.B.

This large Hospital, with 160 beds, is entirely devoted to disease in children. In the clinics cases exemplifying the various diseases in infancy and childhood will be exhibited. Abundant opportunities for a personal examination of all cases will be afforded.

Resident assistants are appointed annually from the graduates in medicine of the University, and hold their position for the year. The opportunity thus afforded for obtaining a practical knowledge of this very important department of medical practice is unsurpassed.

For the current year the resident assistants are:—

R. E. WODEHOUSE, M.B.	J. MCLACHLAN, M.B.
R. A. JONES, M.B.	C. S. MCVICAR, M.B.
F. W. MANNING, M.B.	G. S. BOYER, M.B.
A. W. MCPHERSON.	W. F. MCPHEDRAN, M.B.

ST. MICHAEL'S HOSPITAL.

The following members of the Faculty are members of the staff of St. Michael's Hospital:—

Physicians.

PROF. A. MCPHEDRAN, M.B. PROF. R. J. DWYER, M.B.
PROF. H. B. ANDERSON, M.D.

Physician and Dermatologist.

GRAHAM CHAMBERS, M.B.

Surgeons.

PROF. I. H. CAMERON, M.B.	PROF. H. A. BRUCE, M.D.
PROF. A. PRIMROSE, M.B.	PROF. G. A. BINGHAM, M.D.
PROF. W. OLDRIGHT, M.D.	P. H. W. MACKEOWN, M.B.
PROF. H. W. AIKINS, M.B.	J. F. UREN, M.D.

Gynæcologist.

PROF. J. F. W. ROSS, M.D.

Assistant Obstetrician.

K. C. MCILWRAITH, M.B.

Rhinology and Laryngology.

PROFESSOR D. J. GIBB WISHART, M.D.
G. BOYD, M.B.

Pathologist.

PROF. J. A. AMYOT, M.B.

Assistant Surgeons.

C. A. TEMPLE, M.D.
A. H. GARRATT, M.D.
F. W. MARLOW, M.D.
G. SILVERTHORN, M.B.

Ophthalmology and Otology.

PROF. J. M. MACCALLUM, M.D.

Out-door Staff.

M. M. CRAWFORD, M.B.
W. J. MCCOLLUM, M.B.
C. B. SHUTTLEWORTH, M.D.

This institution is conducted as a General Hospital; where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was about 1,500. The accommodation has recently been enlarged by the addition of a new wing, so that there are now 160 beds. An operating theatre has been provided, constructed with all the necessary modern equipment for the practice of antiseptic surgery.

Clinical instruction is given in this Hospital by those members of the staff who are also on the teaching staff of the University of Toronto. Opportunity is also provided for the study of Pathology. Post-mortem examinations are conducted systematically so that students may avail themselves of the material in this department. Clinical clerks and surgical dressers are appointed from the students in attendance at the Hospital.

Resident assistants are appointed annually from the graduates in Medicine of the University of Toronto.

For the current year they are:—

F. A. ROBERT, M.B.
E. E. CLEAVER, M.B.
F. J. N. MAGWOOD, M.B.
W. A. PEART, M.B.

TEXTBOOKS.

Disease in Children:—Holt, $6; Goodhart and Still, $3.50; Koplick, $4; Dawson Williams, $3.50; Taylor and Wells, $4.

Medicine:—Osler, ($5.00); Munro, ($3.75); Strümpell, $6; Churchill and Peterson, Nervous System, $5; Forcheimer's Treatment of Internal Diseases.

Clinical Methods and Diagnosis:—Sahli's Diagnostic Method, . .; Hutchison & Rainy, Clinical Methods, $2.50; Simon, Clinical Diagnosis, 5th edit., $4.

Clinical Medicine:—Hutchison & Rainy.

Dermatology:—Crocker, $4.50; Stelwagon, $5.

Hygiene:—Parkes and Kenwood, $3; Egbert, $2.25; Wilson, $3; Harrington's Practical Hygiene, $4.25. For reference—Bergey, $3; Stevenson and Murphy, vols. 1 and 2, $12; DeChaumont's Parkes, $4; Abbott's Hygiene of Transmissible Disease, $2.50; Principles of Sanitary Science and Public Health, Sedgwick's, $3; Thresh on Water Supplies, $2.

Mental Diseases:—T. S. Clouston, $4.50; Emil Kraepelin, $4; Henry J. Berkley, $5; Stewart Paton, $4.

Anatomy:—Cunningham's Text Book, $6; Morris, $6; Gray, $6.25; Quain; Cunningham's Practical Anatomy, 2 vols., $5; Ellis's Demonstrations of Anatomy, edited by Thane, $3.75; Brodie's Atlas of Dissections, Illustrated, 4 vols., $9.50; Anatomy and Physiology of the Nervous System, L. F. Barker, $5; Deaver's Surgical Anatomy, $30; Embryology, Heisler, $2.50; Anatomy of the Nervous System, Edinger, $3; Told's Human Anatomy. Hand Atlas of Human Anatomy; Spalteholtz, translated by Barker, $18; Schultze's "Atlas of Topographical Anatomy." Human Anatomy, Sobotta; Clinical Anatomy, Eisendrath.

Physiology:—Howell, Text Book of Physiology, $4; Waller, $4; Stewart, $3.75; Tigarstedt's Physiology, trans. by Murlin; Text Book of Physiology, edited by E. A. Schäfer, 2 vols., $18; Hall's Text Book of Physiology, $4; Chapman's Physiology, $4.25; Kirk's Physiology, edited by Halliburton (English edition), $3; Brubaker's Physiology.

Histology:—Böhm, v. Davidoff and Huber, Text Book of Histology, 2nd ed., $3.50; Szymonowicz and MacCallum, Text Book of Histology and Microscopic Anatomy, $4.75; Sobotta and Huber, Hand Atlas of Human Histology and Microscopic Anatomy, $4.50. Text Book of Histology—Bailey; Normal Histology and Microscopic Anatomy, Ferguson.

Embryology:—Minot, Human Embryology; Minot, Laboratory Text Book of Embryology; McMurrich, Manual of Embryology.

Chemistry:—Remsen College Chemistry, $2, or Newth, Inorganic Chemistry; Remsen, Organic Chemistry, $1.25. Other books of

reference recommended: Bloxam's Chemistry (Inorganic and Organic); Richter, Inorganic Chemistry, $1.75; Hills, Chemistry for Students of Medicine, $3; Bernthsen's Organic Chemistry sup., 59.

Pharmacology and Pharmacy:—Cushny, Pharmacology, $3.75; Sollmann, Pharmacology, $3.75; Mitchell Bruce, Materia Medica and Therapeutics, $1.50; Heebner's Synopsis, $1.50.

Therapeutics:—Yeo's Clinical Therapeutics, 2 vols., $5.00; Hare's Practical Therapeutics, $4; Lauder Brunton, On the Action of Medicines.

Surgery:—Principles of Surgery, Nancrede, $2; Erichsen, 2 vols., $11; Walsham, $3; Treves' System, 2 vols., $12; Treves' Surgical Operations, $2; American Text Book of Surgery, $7; Manual of Surgery, Rose and Carless; Jacobson, The Operations of Surgery, $3; Operative Surgery, Bickham; Wharton's Bandaging and Minor Surgery, $3; Kocher's Operative Surgery, $5; Operative Surgery, Bryant, 2 vols.; Surgery, by American Authors, Roswell Park, $7; Kelly Diseases of the Appendix, $10; White and Martin, on Genito-Urinary Diseases, $6.50; Genito-Urinary and Venereal Diseases, Taylor; Traumatic Injuries of the Brain, Phelps, $5; Fractures and Dislocations, Stimson, $5; Fractures, Scudder, $5; Fractures, Hopkins, $4; J. Clark, on Orthopædic Surgery, $5; Fox's Atlas of Skin Diseases, $24; Genito-Urinary Diseases, Lydston, $5; American Text Book of Genito-Urinary Diseases, $7; Syphilis and Venereal Diseases Hyde and Montgomery, $4; International Clinics, $9; Bergmann and Mikulicz's Surgery, $3; Esmarch's Surgical Technique, $7; Mayo Robson on Diseases of the Stomach, $4; Moynihan, Gall-Stones, $4; Robson on Gall-Bladder, $4; Beck's Surgical Asepsis, $1.25; Röntgen Rays, Pusey-Caldwell, $5; Orthopædic Surgery, Bradford and Lovett; Whitman, Orthopedic Surgery, $5.50; Albert, Surgical Diagnosis, $3.50; Principles of Surgery, J. Jackson Clarke; Diseases of the Rectum, Gant; American Practice of Surgery, Bryant & Buck, 8 vols.; The Reference Handbook of Medical Sciences.

Midwifery:—Obstetrics, Adam Wright, $4.50; Whitridge Williams, $6; Lusk, $5; Hirst, $5; Galabin, $4; Evans, $3; Jellett, $3; Fothergill, $3; Clinical Obstetrics, Jardine, $3.75; Edgar, Obstetrics, $6; Practical Obstetrics, Grandid & Jarman.

Gynæcology:—Galabin, $2.25; Garrigues, $4; Hart and Barbour, $5; Pozzi, 2 vols., $12; Allbutt and Playfair, a System of Gynæcology, $6; Harmann, $5; Kelly, Oper. Gynæcol., 2 vols., $15; Cancer and Uterus, Cullen; Dudley, $5; Penrose, $3.75; C. A. L. Reed; Gilliam, $4; Douglas, Diseases of Abdomen. Practice of Gynæcology, Ashton. Diseases of Women, Webster. Diseases of Women, MacNaughton Jones.

Pathology:—Ziegler, General, 1 vol., $5; Special, 2 vols., $8; Delafield & Pruden, 7th edition, $5; American Text Book of Pathology, $7.50; Coplin, Manual of Pathology, fourth edition, $3.50; Mallory & Wright, Pathological Technique, 3rd edition, $3.

Bacteriology:—Muir & Ritchie, $3.75; Abbott, $2.75.

Clinical Methods:—Huchinson & Rainy, Clinical Methods, $2.50; Croftan, Clinical Urinology, $2.50; Simon, Clinical Diagnosis, by Microscopical and Chemical Methods, 5th edition, $4.

Medical Jurisprudence:—Reese, $3; American Text Book of Legal Medicine, Petersen and Haines, $10; Draper, Legal Medicine, $4; Herald, $4; Mann, $4; Luff, $6; Vivian Poore, $4; Taylor, $4.50. References: Whitthaus and Becker, $20; McLane Hamilton, $11; Greene, Life Insurance, $4; The Physician Himself, Cathell (13th ed.).

Anæsthesia:—Hewitt, $4; Probyn-Williams, $1.25; Patton, $2.

Biology:—Parker, $2.60; Huxley, $2.60.

Physics:—Gage's Principles of Physics, $1.30.

Ophthalmology:—Nettleship, $2.25; Swanzy, $3; Juler, $5.50; de Schweinitz, $5; Carter and Frost, $2.25; J. Edward Jackson, $2.50; May, $2; Posey and Wright, Diseases of the Eye, Ear, Nose and Throat, $7; May, Diseases of the Eye, $2; Vesey, Diseases of the Eye, $2; Berry, Manual of Practical Ophthalmology; Theobald, Prevalent Diseases of the Eye; Wood & Woodruff, Common Diseases of the Eye.

Otology:—Prichard's, $1.50; Field, $3.75; Buck, $2; Roosa, $5.25; Bacon's Manual of Otology, $2.

Laryngology:—Lennox Brown, $8; Bosworth, $4.50; Price Brown, $3.50; Cookley, $2.75.

Time Table, Session 1907-1908.

FIRST YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10 a.m.	†Physics.	Pract. Biology. (A) †Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (B) *Pract. Physiology (B)	†Pract. Physics. (A) *Pract. Physiology. (A)	Pract. Biology. (B) †Pract. Physics. (A) *Pract. Physiology. (A)	Practical Anatomy.
10-11 a.m.	Biology.	Pract. Biology. (A) †Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (A) *Pract. Physiology. (A)	Pract. Biology. (B) Pract. Physics. (A) *Pract. Physiology. (A)	Practical Anatomy.
11-12 m.	Anatomy.	Chemistry.	*Physiology.	Biology.	Anatomy.	*Physiology.
12-1 p.m.		†Physics.	Chemistry.	†Physics.		
1-2 p.m.						
2-3 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Biology.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	
3-4 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Practical Anatomy.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	
4-5 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Practical Anatomy.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	

†Michaelmas Term only. *Easter Term only.

SECOND YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.	Materia Medica.		Materia Medica.			
9-10 a.m.	Pract. Histology. (A)	*Embryology.	Pract. Histology. (A)	Pract. Histology. (B)	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
10-11 a.m.	Pract. Histology. (A)	Physiology.	Pract. Histology. (A)	Pract. Histology. (B)	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
11-12 m.	Physiology.	Anatomy.	Anatomy.	Physiology.	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
12-1 p.m.	Chemistry.	Pharmacology.	Physiology.	Anatomy.	Chemistry.	Anatomy.
1-2 p.m.						
2-3 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	*Histology. †Practical Anatomy.	Practical Anatomy.	†Histology. *Embryology.	Pract. Histology. (B) Pract. Chemistry. (A)	
3-4 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Pract. Histology. (B) Pract. Chemistry. (A)	
4-5 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Pract. Chemistry. (A)	

†Michaelmas Term only. *Easter Term only.

THIRD YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.						Diseases of Children.
9-10 a.m.						Pathological Histology Demonstrations.
10-11 a.m.						Pathological Histology Demonstrations.
11-12 m.		General Pathology.	Obstetrics.	Medicine. (Third Year lecture theatre).	General Pathology.	Clinical Laboratory Methods.
12-1 p.m.						
1-2 p.m.	Clinical Laboratory Methods.	Topographical Anatomy.	Clinical Laboratory Methods.	Topographical Anatomy.	Toxicology.	
2-3 p.m.	Medicine. (Third Year lecture theatre).	Therapeutics.	Medicine. (Third Year lecture theatre).	*Therapeutics. †Gross Pathology.	Pathological Histology Demonstrations.	
3-4 p.m.	Surgery.	Obstetrics.	Surgery.	*Jurisprudence. †Gross Pathology.	Pathological Histology Demonstrations.	
4-5.30 p.m.	†Bacteriology.	†Bacteriology.	†Bacteriology.	†Bacteriology.	‡Jurisprudence.	

†The Classes in Bacteriology and the Friday lecture in Jurisprudence for the Third Year will not begin until the 8th of November.

FOURTH YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.						Diseases of Children.
9-10 a.m.						Obstetrics.
10-11 a.m.						Obstetrics, Special Classes.
11-12 m.						
12-1 p.m.						
1-2 p.m.	Special Pathology.	Pathological Histology.	Special Pathology.	Obstetrics.	Hygiene.	
2-3 p.m.	Medicine.	Pathological Histology.	Medicine.	Pathological Histology.	Obstetrics.	
3-4 p.m.	Surgery.	Gynæcology.	Surgery.	Pathological Histology.	Gynæcology.	
4-5 p.m.	Ophthalmology. Otology. Laryngology.			Preventive Medicine.		
5-6 p.m.						

†Michaelmas Term only. *Easter Term only.

FIFTH YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10 a.m.	†Special Pathology. ¶Laryngology and Rhinology. T. G. H. (Dr. Wishart).	‡Medicine and Clinical Medicine. T. G. H. ¶Ophthalmology and Otology. T. G. H. (Dr. Reeve).	Special Pathology.	‡Ophthalmology and Otology. T. G. H. (Dr. Trow). ¶Medicine and Clinical Medicine. T. G. H.	‡Laryngology and Rhinology. T. G. H. (Dr. McDonagh). ¶Anaesthetics. (2 Months beginning January 10, 1908). (Dr. S. Johnston).	
10-11 a.m.	†Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Surgery and Clinical Surgery. T. G. H.	
11-12 a.m.	†Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Surgery and Clinical Surgery. T. G. H.	
12-2 p.m.						
2-3 p.m.	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Advanced Physiology. (Easter Term).	

FIFTH YEAR. Continued.

3-4 p.m.	Special Therapeutics. (Michaelmas Term).	Clinical Laboratory Work. Pathological Department.	Regional Anatomy. (Easter Term).	Clinical Laboratory Work. Pathological Department.	Laryngology and Rhinology. H. S. C. (Dr. Wishart).	
4-5 p.m.	Operative Obstetrics.			Clinical Gynæcology.	Life Assurance. (6 Weeks beginning January 10, 1908). History of Medicine. (6 Weeks beginning February 14, 1908).	
5-6 p.m.						

NOTE.—Students of the Fifth Year may be required to do Special Work in any of the Subjects of Study at other hours than those indicated on the Time Table. Students are required to attend and assist in Autopsies at the Toronto General Hospital. The hours for such will be posted from time to time on the Bulletin Board at the University. Clinical laboratory work must be carried on in connection with the cases seen in the clinics.

* These clinics will not be given in the six weeks during which the student is engaged in operations on the Cadaver.

† This course will include surgical Pathology and the Pathology of the central nervous system.

‡ Michaelmas Term.

¶ Easter Term.

THE DISSECTING ROOM—WESTERN HALF.

THE DISSECTING ROOM—EASTERN HALF.

THE UNIVERSITY OF TORONTO MEDICAL SOCIETY.

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Medical Faculty and its object is to deal with all matters pertaining to the general interest and welfare of the students, specially:—

(*a*) To encourage interest in general medical science and literature, and in the pursuit of medical studies.

(*b*) To provide a supply of periodicals and magazines for the reading rooms.

(*c*) To be a means of communication between the Student body and the Faculty or others, when such communication is desirable.

UNIVERSITY OF TORONTO MEDICAL STUDENTS' YOUNG MEN'S CHRISTIAN ASSOCIATION.

The meetings are held weekly in the building of the Young Men's Christian Association. The clergy and other prominent residents of the city frequently take part in the proceedings.

The objects of the association are to form a bond of union between medical students whose principles and aim in life are "Christian," and to render whatever practical assistance is possible to all medical students, especially those who are entering upon their medical studies. The Reception Committee of the association will be at the Union Station to meet and welcome all incoming students and to give any information and assistance that may be required. A list of suitable boarding houses will be available for the convenience of those who require it.

REGULATIONS RELATING TO STUDENTS.

1. No student will be registered in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Faculty Council or Caput, to be prejudicial to the interests of the University. Registration in any year does not entitle a student to Registration in a subsequent year.

2. Students are required to attend the courses of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

3. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

4. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

5. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Caput. All programmes of such societies or associations must, before publication, receive the sanction of the Caput. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarily obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

6. The name of the University is not to be used in connection with a publication of any kind without the permission of the Caput.

Faculty of Medicine.

MATRICULATION

General Regulations.

Candidates may enter the Faculty of Arts by passing either the Junior or the Senior Matriculation examination.

Candidates for Junior Matriculation must produce satisfactory certificates of good character and of having completed the sixteenth year of their age.

The subjects of Junior Matriculation are as follows:—Latin, English, History, Mathematics, and any two of the following:—Greek, German, French, Experimental Science. In view of the language requirements in the undergraduate course, candidates are strongly recommended to take two languages for their options.

Pass and honour papers will be set in each of these subjects.

The pass papers are as follows:—Latin Authors, Latin Composition; English Grammar, English Composition, English Literature; History; Arithmetic, Algebra, Plane Geometry; Greek Authors, Greek Composition; German Authors, German Composition; French Authors, French Composition; Experimental Science.

The pass standard is thirty-three per cent. of the marks assigned to a paper.

The first class honour standard is seventy-five per cent.; the second class sixty-six per cent., and the third class fifty per cent. of the marks assigned to the subject.

Candidates for honours and scholarships will be examined only on the honour papers in a subject, but candidates who fail to obtain honours may receive pass standing in the subject.

Candidates who have obtained pass standing in at least one-half of the subjects may complete Junior Matriculation by passing in the remaining subjects at a subsequent examination or examinations.

The examination for pass and honour Junior Matriculation is held annually in July at centres in Ontario, and, if application is made to the Senate, the examination may, with the co-operation of the Department of Education, be held at centres outside Ontario.

Applications accompanied by the prescribed fee must be sent not later than the 24th of May to the local Public School Inspector, or in the case of candidates intending to write at the University, to the Registrar.

Scholarship candidates must also send a special application by the same date to the Registrar according to a form to be obtained from him. The application must be accompanied by the fee when the can-

didate intends to write at the University; when he proposes to write at some other centre, the ordinary application and the fee must be sent to the local Public School Inspector.

A Junior Matriculation examination will be held in June at such centres outside Ontario as may from time to time be authorized by the Senate. Applications for the establishment of such local centres must be made to the Registrar not later than the 15th of April in each year. Applications from candidates for this examination must be sent to the Registrar not later than the 1st of May.

A Junior Matriculation examination, at which no honour papers are set, will be held in September at the University and at such other centres as may from time to time be authorized by the Senate. Candidates who have failed in a minority of subjects at a previous examination, as well as new candidates, may present themselves at this examination. Applications must be sent to the Registrar not later than the 1st of September.

The presiding examiner's fee of $5.00 per diem, together with any other necessary expenses in connection with a local examination, must be met by the candidates at the centre, or by the authorities of the School or College on whose application it is held.

Candidates who have passed Junior Matriculation may present themselves at a subsequent examination for Junior Matriculation Scholarships. A person to whom a scholarship has been awarded may not compete a second time.

EQUIVALENT EXAMINATIONS.

A person who has passed the matriculation examination of another University may be admitted *ad eundem statum* on such conditions as the Senate, on application, may prescribe.

The local examinations conducted by the University of Oxford and Cambridge are accepted *pro tanto*.

Certificates of having passed the whole, or at least one-half, of the subjects common to the matriculation and other examination of any of the following examinations will be accepted *pro tanto*.

Province of Ontario.

The Junior and Senior Teachers' examinations, or examinations of the same standard under other names.

Candidates who have already passed Part I. of the pass Junior Matriculation, or of the Junior Leaving examination, will not be required to pass again in the subjects thereof.

Province of Quebec.

The Associate in Arts examination.

Province of New Brunswick.

The examinations for Superior and Grammar School Licenses.

Province of Nova Scotia.

The Junior and Senior Leaving examinations, (Grades XI. and XII).

Province of Manitoba.

The Second Class Teachers' examination.

Province of British Columbia.

The Intermediate and Senior Grade examination.

Province of Prince Edward Island.

The First Class Teachers' License examination.

Province of Alberta.

The Standard VII. and VIII. examinations.

Province of Saskatchewan.

The Standard VII. and VIII. examinations.

Newfoundland.

Intermediate and Associate Grade examinations.

Candidates whose certificates do not cover all the subjects may complete matriculation by passing in the remaining subjects as prescribed by the University, or by passing in the subjects of similar standard as prescribed by the Education Department of the Province by which the certificate was issued.

The Senate will consider applications for the recognition of certificates other than those mentioned, as occasion may require.

FEES.

The Fees payable are as follows:—

For Junior Matriculation	$5 00
For supplemental examination in one subject	2 00
For supplemental examination in two subjects	4 00
For supplemental examination, maximum fee	5 00
For registration of certificates for other than University purposes	5 00
For registration of certificates other than those of Ontario, which exempt the applicant from the full Matriculation examination	5 00
For admission *ad eundem statum*	5 00

JUNIOR MATRICULATION.

FOR PASS.

Greek.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of phrases and of sentences to illustrate Greek accidence and the common rules of Greek syntax.

The following are the prescribed texts:—

1908: Xenophon, selections in White's First Greek Book, with the exercises thereon; Herodotus, Tales, ed. Farnell, I.-XI., inclusive.

1909-1910: Xenophon, selections in White's First Greek Book, with the exercises thereon; Herodotus, Tales, ed. Farnell, XI.-XX., inclusive.

Two papers will be set: (1) Prescribed texts and questions on grammar; (2) the translation of English into Greek and sight translation.

Latin.

1908, 1909, 1910: Translation at sight of passages of average difficulty from Caesar, upon which special stress will be laid.

Translation from a prescribed portion of Virgil's Aeneid, with questions thereon.

Questions on Latin accidence.

Translation into Latin of English sentences to illustrate the common rules of Latin syntax, upon which special stress will be laid. The vocabulary will be taken from the prescribed portion of Caesar.

Examination upon a short prescribed portion of Caesar, to test the candidate's knowledge of Latin syntax and his power of idiomatic translation.

The following are the texts prescribed:—

Caesar, Bellum Gallicum, Book IV., chaps. 20-38, and Book V., chaps. 1-23; Virgil, Aeneid, Book II., vv. 1-505.

Two papers will be set: (1) Translation at sight, Virgil, and accidence. (2) Translation into Latin, syntax and idiomatic translation from prescribed Caesar, etc.

English.

GRAMMAR AND RHETORIC: The main facts in the development of the language. Etymology and syntax, including the logical structure of

the sentence and the inflection, classification and elementary analysis of words. The rhetorical structure of the sentence and paragraph.

One examination paper.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiner.

One examination paper.

LITERATURE: The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

One examination paper.

1908: Tennyson, the Poet, The Lady of Shalott, Oenone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage. "Break, break, break," In the Valley of the Cauteretz; Browning, My Last Duchess, "How they brought the good news from Ghent to Aix," Love among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes; Shakespeare, Macbeth.

1909: Coleridge, The Ancient Mariner; Wordsworth, Michael, Influence of Natural Objects, Nutting, Expostulation and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a phantom of delight," To the Cuckoo, The Green Linnet, "Bright flower! whose home," To a Skylark ("Ethereal minstrel! pilgrim of the sky!"), Reverie of Poor Susan, To my Sister, "Three years she grew," September, 1819, Upon the same Occasion, and the following twelve sonnets:—"Two voices are there." "A flock of sheep that leisurely." "Earth hath not anything." "It is not to be thought of," "Fair star of evening," "O friend, I know not," "Milton, thou shouldst," "When I have borne in memory." "Brook! whose society," " Scorn not the sonnet," "Tax not the royal saint." "They dreamt not of a perishable home;" Shakespeare, Merchant of Venice.

1910: Tennyson, Ode to Memory, The Dying Swan, the Lotus Eaters, Ulysses, "You ask me, why," "Of old sat Freedom." "Love thou thy land," "Tears, idle tears," and the six interlude songs from the Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden; Shakespeare, Julius Caesar.

German.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the texts contained in the High School German Reader.

1908: Leander, Träumereien, pp. 45-90 (selected by Van Daell).

1909: Baumbach, Waldnovellen.

1910: Hauff, Das kalte Herz.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into German.

French.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

Lamennais, Paroles d'un croyant, Chaps. VII. and XVII.; Perrault, le Maître Chat ou le Chat Botté; Dumas, Un nez gelé, and la Pipe de Jean Bart; Alphonse Daudet, la Dernière classe, and la Chèvre de M. Seguin; Legouvé, la Patte de dindon; Pouvillon, Hortibus; Loti, Chagrin d'un vieux forçat; Molière, l'Avare, Acte III. sc. 5 (Est-ce à votre cocher . . . sous la mienne); Victor Hugo, Waterloo, Chap. IX.; Rouget de L'Isle, la Marseillaise; Arnault, la Feuille; Chateaubriand, l'Exilé; Théophile Gautier, la Chimère; Victor Hugo, Extase; Lamartine, l'Automne; De Musset, Tristesse; Sully Prudhomme, le Vase brisé; La Fontaine, le Chêne et le Roseau.

1908: Meilhac et Halévy, l'Eté de la Saint-Martin.

1909: Labiche, le Voyage de Monsieur Perrichon.

1910: Scribe, le Verre d'eau.

Two papers will be set: (1) Prescribed texts and translations at sight; questions on grammar; (2) the translation of English into French.

History.

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British history.

The geography relating to the history prescribed.

One half examination paper.

General outlines of Greek history to the fall of Corinth.

General outlines of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One half examination paper.

Mathematics.

ARITHMETIC.—Elementary Rules, Fractions (Vulgar and Decimal), Contracted Methods of Computation, Square Root, Interest, Discount, Commission, Insurance, Stocks and Exchange.

MENSURATION.—The Rectangle, the Parallelogram, the Triangle, the Circle, the Parallelopiped, the Prism, and the Cylinder.

One examination paper.

NOTE.—The problems proposed at this Examination shall be simple and direct, and in their solution neatness and accuracy will be insisted on.

ALGEBRA.—Elementary Rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices; surds; quadratics of one and two unknown quantities.

One examination paper.

GEOMETRY.—A.—CONSTRUCTIONS.

To construct a triangle with sides of given lengths.

To construct an angle equal to a given rectilineal angle.

To bisect a given angle.

To bisect a given straight line.

To draw a line perpendicular to a given line from a given point in it.

To draw a line perpendicular to a given line from a given point not in the line.

Locus of a point equidistant from two given lines.

Locus of a point equidistant from two given points.

To draw a line parallel to another, through a given point.

To divide a given line into any number of equal parts.

To describe a parallelogram equal to a given triangle, and having an angle equal to a given angle.

To describe a parallelogram equal to a given rectilineal figure, and having an angle equal to a given angle.

On a given straight line to describe a parallelogram equal to a given triangle, and having an angle equal to a given angle.

To find the centre of a given circle.

From a given point to draw a tangent to a given circle.

On a given straight line to construct a segment of a circle containing an angle equal to a given angle.

From a given circle to cut off a segment containing an angle equal to a given angle.

In a circle to inscribe a triangle equiangular to a given triangle.

To find locus of centres of circles touching two given lines.

To inscribe a circle in a given triangle.

To describe a circle touching three given straight lines.

To describe a circle about a given triangle.

About a given circle to describe a triangle equiangular to a given triangle.

To divide a given line similarly to another given divided line.

To find the fourth proportional to three given lines.

To describe a polygon similar to a given polygon, and with the corresponding sides in a given ratio.

To find the mean proportional between two given straight lines.

To construct a polygon similar to a given polygon, and such that their areas are in a given ratio.

To describe a polygon of a given shape and size.

B.—THEOREMS.

The sum of the angles of any triangle is equal to two right angles.

The angles at the base of an isosceles triangle are equal, with converse.

If the three sides of one triangle be equal, respectively, to the three sides of another, the triangles are equal in all respects.

If two sides and the included angle of one triangle be equal to two sides and the included angle of another triangle, the triangles are equal in all respects.

If two angles and one side of a triangle be equal to two angles and the corresponding side of another, the triangles are equal in all respects.

If two sides and an angle opposite one of these sides be equal, respectively, in two triangles, the angles opposite the other pair of equal sides are either equal or supplemental.

The sum of the exterior angles of a polygon is four right angles.

The greater side of any triangle has the greater angle opposite it.

The greater angle of any triangle has the greater side opposite it.

If two sides of one triangle be equal respectively to two sides of another, that with the greater contained angle has the greater base, with converse.

If a transversal fall on two parallel lines, relations between angles formed, with converse.

Lines which join equal and parallel lines towards the same parts are themselves equal and parallel.

The opposite sides and angles of a parallelogram are equal and the diagonal bisects it.

Parallelograms on the same base, or on equal bases, and between the same parallels are equal.

Triangles on the same base, or on equal bases, and between the same parallels are equal.

Triangles equal in area, and on the same base, are between the same parallels.

If a parallelogram and a triangle be on the same base, and between the same parallels, the parallelogram is double the triangle.

Expressions for area of a parallelogram, and area of a triangle.

The complements of parallelograms about the diagonal of any parallelogram are equal.

The square on the hypotenuse of a right-angled triangle is equal to the sum of the squares on the sides.

If a straight line be divided into any two parts, the sum of the squares on the parts, together with twice the rectangle contained by the parts, is equal to the square on the whole line.

The square on a side of any triangle is equal to the sum of the squares on the two other sides + twice the rectangle contained by either of these sides and the projection of the other side on it.

If more than two equal straight lines can be drawn from the circumference of a circle to a point within it, that point is the centre.

The diameter is the greatest chord in a circle, and a chord nearer the centre is greater than one more remote. Also the greater chord is nearer the centre than the less.

The angle at the centre of a circle is double the angle at the circumference on the same arc.

The angles in the same segment of a circle are equal, with converse.

The opposite angles of a quadrilateral inscribed in a circle are together equal to two right angles, with converse.

The angle in a semicircle is a right angle; in a segment greater than a semicircle less than a right angle, in a segment less than a semicircle greater than a right angle.

A tangent is perpendicular to the radius to the point of contact; only one tangent can be drawn at a given point; the perpendicular to the tangent at the point of contact passes through the centre; the perpendicular from centre on tangent passes through the point of contact.

If two circles touch, the line joining the centres passes through the point of contact.

The angles which a chord drawn from the point of contact makes with the tangent, are equal to the angles in the alternate segments.

The rectangles under the segments of intersecting chords are equal.

If $OA.OB=OC^2$, OC is a tangent to the circle through A, B and C.

Triangles of the same altitude are as their bases.

A line parallel to the base of a triangle divides the sides proportionally, with converse.

If a vertical angle of a triangle be bisected, the bisector divides the base into segments that are as the sides, with converse.

The analogous proposition when the exterior angle at the vertex is bisected, with converse.

If two triangles are equiangular, the sides are proportional.

If the sides of two triangles are proportional, the triangles are equiangular.

If the sides of two triangles about equal angles are proportional, the triangles are equiangular.

If two triangles have an angle in each equal, and the sides about two other angles proportional, the remaining angles are equal or supplemental.

Similar triangles are as the squares on corresponding sides.

The perpendicular from the right angle of a right-angled triangle on the hypotenuse divides the triangle into two which are similar to the original triangle.

In equal circles angles, whether at the centres or circumferences, are proportional to the arcs on which they stand.

The areas of two similar polygons are as the squares on corresponding sides.

If three lines be proportional, the first is to the third as the figure on the first to a similar figure on the second.

Questions and easy deductions on the preceding constructions and theorems.

It is recommended that the study of formal demonstrative Geometry be preceded by a course in Practical Geometry, extending over not more than a year, and embracing the following:—

Definitions; fundamental geometric conceptions and principles; use of simple instruments, as compasses, protractor, graduated rule, etc.; measurement of lines and angles, and construction of lines and angles of given numerical magnitude; accurate construction of figures; some leading propositions in plane geometry reached by induction as a result of accurate construction of figures; deduction also employed as principles are reached and assured. At the examination, questions may be given in Practical Geometry, the constructions being such as naturally spring from the prescribed course. Candidates must provide themselves with a graduated ruler, compasses, set-square and protractor.

In the formal deductive Geometry modifications of Euclid's treatment of the subject will be allowed, though not required, as follows:—

The employment of the "hypothetical construction."

The free employment of the method of superposition, including the rotation of figures about an axis, or about a point in a plane.

A modification of Euclid's parallel postulate.

A treatment of ratio and proportion restricted to the case in which the compared magnitudes are commensurable.

One examination paper.

Elementary Experimental Science.

PHYSICS: Use of meter rule; use of calipers and vernier for more accurate metric measurements (*e.g.*, diameters of wires, thickness of glass, plates, etc.); numerical calculations in the metric system.

Use of balance.

Specific gravity, by special gravity bottle and hydrostatic balance, of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, liquids and gases; examples.

Specific heat, latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallisation and evaporation.

One half examination paper.

CHEMISTRY: Properties of hydrogen, chlorine, oxygen, sulphur, nitrogen, carbon, and their different compounds, especially those of economic and industrial importance.

Mixtures, solutions, chemical compounds, elements, nomenclature, laws of chemical combination, reacting weights, chemical formulæ and equations, with easy numerical examples.

One half examination paper.

FOR HONOURS.

Greek.

Translation into English of passages from prescribed texts.

Translation at sight of prose passages of average difficulty, similar to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Greek of ordinary narrative passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1908: Herodotus, Tales, ed. Farnell I.-XI. incl.; Homer, Odyssey, XXIII.; Lucian, Timon; Lysias, Pro Mantitheo and de Invalido.

1909: Herodotus, Tales, ed. Farnell XI.-XX. incl.; Homer, Odyssey, XXIII.; Lucian, Charon; Lysias, Contra Eratosthenem.

1910: Herodotus, Tales, ed. Farnell XI.-XX. incl.: Homer, Odyssey, I.; Lucian, Charon; Lysias, Contra Eratosthenem.

Two examination papers.

Latin.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty from Cicero.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1908: Virgil, Aeneid, Book II.; Horace, Odes, Books III., IV., Cicero, In Catilinam, I., III., IV.

1909: Virgil, Aeneid, Book II.; Horace, Odes, Books I. and II.; Cicero, In Catilinam I., III., IV.

1910: Virgil, Aeneid, Book II., Horace, Odes, Books I. and II.; Cicero, Pro Lege Manilia, Pro Marcello.

Two examination papers: (1) Latin Prose, (2) Authors and Sight.

English.

COMPOSITION: An essay on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

One examination paper.

LITERATURE: Such questions only will be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorised some of the finest passages. In addition to the questions on the prescribed selections others will be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

One examination paper.

1908: Tennyson, The Poet, The Lady of Shalott, Oenone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage, "Break, break, break," In the Valley of the Cauteretz; Browning, My Last Duchess, "How they brought the good news from Ghent to Aix," Love among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes; Shakespeare, Macbeth, As You Like It.

1909: Coleridge, The Ancient Mariner; Wordsworth, Michael, Influence of Natural Objects, Nutting, Expostulations and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a phantom of delight," To the Cuckoo, The Green Linnet, "Bright flower! whose home," To a Skylark, ("Ethereal minstrel! pilgrim of the sky!"), Reverie of Poor Susan, To my Sister, "Three years she grew in sun and shade," September 1819, Upon the same Occasion. The following twelve sonnets: "Two voices are there." "Scorn not the sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair star of evening," "O friend! I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook! whose society,"

"Tax not the royal saint," "They dreamt not of a perishable home;" Shakespeare, Merchant of Venice, Henry IV., Part I.

1910: Tennyson, Ode to Memory, The Dying Swan, The Lotus Eaters, Ulysses, "You ask me, why," "Of old sat Freedom," "Love thou thy land," "Tears, idle tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden; Shakespeare, Julius Caesar, Mid Summer Night's Dream.

German.

The prescription of work in grammar, the translation of English into German and sight translation is the same for honours as for pass, but the examination will be of a more advanced character.

The following are the prescribed texts:—

The texts contained in the High School German Reader.

1908: Leander, Träumereien, pp. 45 to 90 (selected by Van Daell). Baumbach, Der Schwiegersohn; Elz, Er ist nicht eifersüchtig; Wichert, Post Festum.

1909: Baumbach, Waldnovellen; Zschokke, Der tote Gast.

1910: Hauff, Das kalte Herz; Baumbach, Der Schwiegersohn; Elz, Er ist nicht eifersüchtig; Wichert, Post Festum.

French.

The prescription of work in grammar, the translation of English into French and sight translation, is the same for honours as for pass, but the examination will be of a more advanced character.

The following are the prescribed texts:—

Lamennais, Paroles d'un croyant, Chaps. VII. and XVII.; Perrault, le Maître Chat ou le Chat botté; Dumas, Un nez gelé, and la Pipe de Jean Bart; Alphonse Daudet, la dernière Classe, and la Chèvre de M. Seguin; Legouvé, la Patte de dindon; Pouvillon, Hortibus; Loti, Chagrin d'un vieux forçat; Molière, l'Avare, Acte III., sc. 5 (Est-ce à votre cocher . . . sous la mienne); Victor Hugo, Waterloo, Chap. IX.; Rouget de l'Isle, la Marseillaise; Arnault, la Feuille; Chateaubriand, l'Exilé; Théophile Gautier, la Chimère; Victor Hugo, Extase; Lamartine, l'Automne; De Musset, Tristesse; Sully Prudhomme, le Vase brisé; La Fontaine, le Chêne et le Roseau.

1908: Meilhac et Halévy, l'Eté de la Saint-Martin; Chateaubriand, Mémoires d'Outre-Tombe (selections pub. by Clarendon Press).

1909: Labiche, le Voyage de Monsieur Perrichon; Mérimée, Quatre Contes, ed. by F. C. L. Steenderen (Holt & Co.).

1910: Scribe, le Verre d'eau; Malot, Remi en Angleterre, (ed. Margaret de G. Verral. Pitt. Press).

History.

English history from the discovery of America to 1763.
General outlines of Greek history to the fall of Corinth.
General outlines of Roman History to the death of Augustus.
The geography relating to the history prescribed.
One examination paper.

Mathematics.

ALGEBRA: Elementary rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices, surds, quadratics of one and two unknown quantities; theory of divisors; ratio, proportion and variation; progressions; notation; permutations and combinations; binomial theorem; interest forms; annuities.

One examination paper.

TRIGONOMETRY: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; use of logarithms; solution of triangles; expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles.

One examination paper.

PROBLEMS: One paper.

GEOMETRY: A.—Exercises on the course prescribed for the pass examination, with special reference to the following topics:—loci; maxima and minima; the system of inscribed, escribed and circumscribed circles of a triangle, with metrical relations; radial axis.

B.—The following additional propositions in Synthetic Geometry, with exercises thereon:—

To divide a given straight line internally and externally in medial section.

To describe a square that shall be equal to a given rectilineal figure.

To describe an isosceles triangle having each of the angles at the base double of the third angle.

To inscribe a regular pentagon in a given circle.

The squares on two sides of a triangle are together equal to twice the square on half the third side and twice the square on the median to that side.

If A B C be a triangle, and A be joined to a point P of the base such that B P : P C = m : n, then $n \cdot AB^2 + m \cdot AC^2 = (m+n) \cdot AP^2 + n \cdot BP^2 + m \cdot PC^2$.

In a right-angled triangle the rectilineal figure described on the hypotenuse is equal to the sum of the similar and similarly described figures on the two other sides.

If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the segments of the base, together with the square on the straight line which bisects the angle.

If from the vertical angle of a triangle a straight line be drawn perpendicular to the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the perpendicular and the diameter of the circle described about the triangle.

The rectangle contained by the diagonals of a quadrilateral inscribed in a circle is equal to the sum of the two rectangles contained by its opposite sides.

Two similar polygons may be so placed that the lines adjoining corresponding points are concurrent.

If a straight line meet the sides B C, C A, A B, of a triangle A B C in D, E, F, respectively, then B D. C E. A F = D C. E A. F B, and conversely. (Menelaus' Theorem.)

If straight lines through the angular points A, B, C of a triangle are concurrent, and intersect the opposite sides in D, E, F, respectively, then B D. C E. A F = D C. E A. F B and conversely. (Ceva's Theorem.)

If a point A lie on the polar of a point B with respect to a circle, then B lies on polar of A.

Any straight line which passes through a fixed point is cut harmonically by the point, any circle, and the polar of the point with respect to the circle.

In a complete quadrilateral each diagonal is divided harmonically by the two other diagonals, and the angular points through which it passes.

C.—ELEMENTARY ANALYTICAL GEOMETRY: Axes of co-ordinates. Position of a point in plane of reference.

Transformation of co-ordinates,—origin changed, or axes (rectangular) turned through a given angle.

$\pm 2\Delta = x_1(y_2 - y_3) + \ldots \ldots$

Co-ordinates of point dividing line joining $P_1(x_1, y_1)$ and $P_2(x_2, y_2)$ in ratio $m : n$ are

$$x = \frac{m x_2 + n x_1}{m + n}, \quad y = \frac{m y_2 + n y_1}{m + n}.$$

$(P_1 P_2)^2 = (x_1 - x_2)^2 + (y_1 - y_2)^2$

Equations of straight lines.

$$\left.\begin{array}{l} \dfrac{x - x_1}{x_1 - x_2} = \dfrac{y - y_1}{y_1 - y_2} \\ \dfrac{x}{a} + \dfrac{y}{b} = 1. \end{array}\right\} \text{ Line defined by two points through which it passes.}$$

$$\left.\begin{aligned} \frac{x-a}{\cos\theta} &= \frac{y-b}{\sin\theta} = r. \\ y &= mx + b. \\ y &= m(x-a). \\ x\cos\alpha + y\sin\alpha &= p. \end{aligned}\right\}$$ Line defined by one point through which it passes, and by its direction.

General equation of 1st degree, $Ax + By + C = 0$, represents a straight line.

Any line through (x_1, y_1) is

$$A(x - x_1) + B(y - y_1) = 0.$$

If θ be angle between $Ax + By + C = 0$ and $A'x + B'y + C' = 0$, then

$$\tan\theta = \frac{A'B - AB'}{AA' + BB'}$$

Condition of $\perp$ rity, $AA' + BB' = 0$.

Condition of $\parallel$ ism, $\frac{A}{A'} = \frac{B}{B'}$.

Distance from (a, b) to $Ax + By + C = 0$, in direction whose direction cosines are (l, m) is

$$-\frac{Aa + Bb + C}{Al + Bm}.$$

$\perp$ distance from (a, b) on $Ax + By + C = 0$.

$$= \pm\frac{Aa + Bb + C}{\sqrt{A^2 + B^2}}.$$

THE CIRCLE—

Equations in forms:

$$x^2 + y^2 = r^2.$$
$$(x - a)^2 + (y - b)^2 = r^2.$$
$$x^2 + y^2 - 2rx = 0.$$

General equation $x^2 + y^2 + 2Ax + 2By + C = 0$,

or $(x + A)^2 + (y + B)^2 = A^2 + B^2 - C$,

represents a circle with centre $(-A, -B)$ and radius

$$\sqrt{A^2 + B^2 - C}.$$

Tangent at (x', y') to $x^2 + y^2 = r^2$, is $xx' + yy' = r^2$.

Normal is $\frac{x}{x'} = \frac{y}{y'}$.

Tangent in form

$$y = mx \pm r\sqrt{1 + m^2}.$$

Pole being (x', y'), polar is $xx' + yy' = r^2$.

If pole move along a line, polar turns about pole of that line.

Square of tangent from

(x', y') to $x^2 + y^2 + 2Ax + 2By + C = 0$

is $x'^2 + y'^2 + 2Ax' + 2By' + C$.

Radical axis of

$$x^2 + y^2 + 2Ax + 2By + C = 0,$$
$$x^2 + y^2 + 2A'x + 2B'y + C' = 0.$$

Easy exercises on the preceding propositions.

One examination paper.

Physics.

MECHANICS: Measurement of velocity; uniformly accelerated rectilineal motion; metre; units of force, work, energy and power; equilibrium of forces acting at a point; triangle, parallelogram, and polygon of forces; parallel forces; principle of moments; centre of gravity; laws of friction; numerical examples.

HYDROSTATICS: Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not; transmission of pressure; Bramah's press; equilibrium of liquids of unequal density in a bent tube; the barometer; air-pump; water-pump, common and force; siphon.

ELECTRICITY: Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltameters; electroplating; astatic and tangent galvanometers; simple notions or potential; Ohm's law; shunts; measurement of resistance; electric light, arc and incandescent; current induction; induction coil; dynamo and motor; the joule and watt; electric bell; telegraph; telephone; elements of terrestrial magnetism.

One examination paper.

Chemistry.

Reactions, rates of reactions, reversible reactions, chemical equilibrium. The practical study of the following elements with their most characteristic compounds, having regard to Mendelejeff's classification of the elements, and some of the most important economic and industrial applications: hydrogen, sodium, potassium, magnesium, zinc, calcium, strontium, barium, boron, aluminium, carbon, silicon, tin, lead, nitrogen, phosphorus, arsenic, antimony, bismuth, oxygen, sulphur, fluorine, chlorine, bromine, iodine, magnanese, iron, copper, nickel. A report must be furnished showing the amount and nature of the laboratory work done by each candidate, and the teacher's opinion of his proficiency.

One examination paper.

Biology.

1. ELEMENTS OF ZOOLOGY: The candidate will be examined practically on his acquaintance with the structure of the various types prescribed below, and must be prepared to sketch the specimens submitted to him.

Vertebrate Types: 1. The fish:—Any one of the common fresh water fishes of Ontario may be employed for the purpose; special attention should be given to the organs of locomotion, circulation, respiration. As several species are easily obtainable this class may be employed for studying the principles of zoological nomenclature.

2. The frog:—Comparison with the fish as to the organs above mentioned—observation of the development of the spawn of one or more Amphibia.

3. The reptile:—A study of the external form of a turtle and a snake, and comparison of both with a lizard.

4. The bird:—Special attention should be given to the plumage, the bill and feet, and to the modifications of the skeletal, muscular and respiratory systems in connection with aerial life.

5. The mammal:—Characters of the chief domesticated and wild mammals of Ontario must be studied, as well as the main facts of internal structure of one of the smaller forms (*e.g.* the rabbit). Comparison of the teeth and feet of the pig, horse, sheep, rabbit, dog, mole, bat.

Invertebrate Types: 1. Study of the Crayfish as a type of the arthropods. Comparison of the external form of the Crayfish with an insect (*e.g.*, grasshopper, cricket, or cockroach) also with a millipede and a spider.

2. Unsegmented and segmented worms.

3. Fresh water mussel and snail.

4. A fresh water unicellular animal such as an Amoeba or Paramecium.

The natural habits of the various animals studied.

Elements of zoological classification based on forms studied.

2. ELEMENTS OF BOTANY: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated.

It will further require an elementary knowledge of the following topics:—

Comparison of the various organs of flowering plants:—roots, stems, leaves, hairs and parts of the flower. Reproduction, pollination, fertilization and the nature of fruits and seeds.

Structure of representatives of the chief sub-divisions of cryptogams such as a fern, a lycopod, a horsetail, a liverwort, a lichen, a moss, a mushroom and a chara.

Microscopic structure of plants.

Principles of classification.

Vegetable physiology, especially of nutrition, growth and movement. Relation to environment.

REGULATIONS RELATING TO DEGREES IN MEDICINE.

The Degree in Medicine are Bachelor of Medicine (M.B.), and Doctor of Medicine (M.D.).

BACHELOR OF MEDICINE.

Candidates for the degree of Bachelor of Medicine are required to matriculate and to attend during four sessions of at least eight months each the courses of instruction presented, and to pass four examinations taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session; and the Fourth at the end of the fourth session.

Students who begin their course on or after October, 1908, shall be required to spend five years of professional study in the Faculty of Medicine before being permitted to proceed to a degree in medicine.

ENTRANCE.

Candidates for the degree must pass the Matriculation examination, unless (1) they possess a degree in Arts not being an Honorary Degree, from any Dominion or British University; or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or (3) have been registered as Matriculates in the College of Physicians and Surgeons of Ontario.

Students who have not completed matriculation will not be admitted to enter the course of instruction of the Second Year.

No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

REGISTRATION.

Students entering the University are required to submit the certificates on which they claim standing to the Registrar not later than the first day of November.

Candidates who at the close of the Supplemental examinations have failed to secure standing will not be eligible for registration in the next higher year.

ATTENDANCE.

Candidates are required to attend lectures and receive practical instruction during each of four years at this University.

The Senate may accept certificates of attendance at the lectures and practical instruction in the laboratories of affiliated and other recognized institutions. A student who fails to do satisfactory term work in any subject is not permitted to present himself for examination in that subject, either theoretical or practical, until he is able to present satisfactory certificates of term work completed.

EXAMINATIONS.

The annual examinations are styled the First, Second, Third, Fourth and Fifth examinations, and are to be passed at the end of the First, Second, Third, Fourth and Fifth academic years respectively.

The annual examinations are held in May, and the supplemental examinations in September. Candidates who fail in the first professional examination in May are now able to take advantage of a special qualifying course in Physics, Chemistry and Biology which is now provided by the University during the summer months and may thus qualify for the September examination. For more definite information see the summer session announcement.

Candidates at any examination who have passed in the majority of the subjects required may present themselves at the supplemental examinations next ensuing, in the subjects in which they failed, and on passing at such examinations, shall be allowed their year.

Undergraduates below the standing of the Fourth Year, who have been rejected or who have been prevented from attending the annual examinations, by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination at the Supplemental examinations in September.

Candidates who failed to attend at the annual examinations must prove to the satisfaction of the President before presenting themselves in September, the existence and sufficiency of the alleged cause of absence.

Undergraduates of the Fourth Year who have failed in not more than three subjects may present themselves for examination in the said subjects at the Supplemental examinations in September.

Graduates of this University in the Honour Department of Biological and Physical Sciences may enter at the beginning of the Third Year and may postpone the examination in Materia Medica and Elementary Therapeutics until the Third examination.

In the case of Graduates or Undergraduates in Natural Sciences or Biology, certificates of attendance on the second course of Practical Anatomy and on the second course of fifty lectures on Anatomy, may be presented with the certificates of attendance on the lectures of the Third Year.

Every undergraduate who proposes to present himself at an examination must send to the Secretary a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement.

The work in the laboratories and in the wards of the hospitals during the session is an essential part of the instruction and will be considered in determining standing at any examination.

Before admission to examination the candidate is required to submit

evidence of having complied with the regulations respecting attendance upon laboratory and clinical work in each of the subjects of instruction for the year in which he seeks examination. A certificate is issued by the University, and must be signed by the head or heads of each department of instruction.

The following Honour courses of instruction and examinations in the Faculty of Arts are accepted in the place of courses of instruction and examinations in the Faculty of Medicine, according to the subjoined scheme:—

Faculty of Arts.		Faculty of Medicine.
1. First Year Biology..	equivalent to	First Year Biology.
2. First Year Physics.	equivalent to	First Year Physics (with the exception of the Sound, Light and Electricity of this course).
3. First Year Chemistry.	equivalent to	First Year Chemistry.
4. Second Year Chemistry of the Honour course in Biology.	equivalent to	Second Year Chemistry.
5. Physiology and Physiological Chemistry of the Third and Fourth Years of the Honour courses in Biology and Biological and Physical Sciences.	equivalent to	First and Second Year Physiology and Physiological Chemistry.
6. Cytology and Histology of Third Year of Honour course in Biology and Biological and Physical Sciences.	equivalent to	Histology of Second Year.
7. Embryology of Fourth Year in Biology and Biological and Physical Sciences.	equivalent to	Embryology of Second Year.
8. Anatomy of Third and Fourth Years of the Honour course in Biological and Physical Sciences.	equivalent to	Anatomy of First and Second Years.

EQUIVALENT EXAMINATIONS.

Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme:—

Faculty of Arts.		Faculty of Medicine.
1. Honour course and examination in Second Year Biology.	equivalent to	course and examination in First Year Biology.
2. Honour course and examination in Second Year Chemistry, and Physics of the Honour course in Natural Sciences or Biological and Physical Sciences.	equivalent to	course and examination in First Year Inorganic Chemistry and Physics.
3. Honour course and examination in Third Year Chemistry.	equivalent to	course and examination in Second Year Chemistry (with the exception of Chemistry applied to Physiology).
4. Honour course and examination in Fourth Year Biology.	equivalent to	course and examination in Second Year Physiology and Embryology and Histology.

5. Attendance at the Honour course and examination in the Fourth Year Physiological Chemistry, in the Faculty of Arts, is equivalent to attendance at the course and examination in Chemistry applied to Physiology of the Second Year in the Faculty of Medicine.

Candidates who desire to compete for scholarships and medals are required to submit to the annual examination in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will rank in Honours in these subjects.

COURSES OF INSTRUCTION.

A full course extends over a period of eight months.

First Year.

COURSES OF EIGHT MONTHS EACH—

1. Anatomy.
2. Practical Anatomy.
3. Biology.
4. Practical Biology.
5. Physiology.
6. Practical Physiology.
7. Inorganic Chemistry.
8. Practical Chemistry.

COURSES OF FOUR MONTHS EACH—

1. Physics.
2. Practical Physics.

Second Year.

COURSES OF EIGHT MONTHS EACH—

1. Anatomy.
2. Practical Anatomy.
3. Physiology.
4. Practical Physiology.
5. Embryology and Histology.
6. Methods of Physical Examination.

COURSES OF FOUR MONTHS EACH—

1. Organic Chemistry.
2. Practical Chemistry.
3. Practical Physiological Chemistry.
4. Pharmacy.
5. Pharmacology.

Third Year.

COURSES OF EIGHT MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.
5. Pathology.
6. Practical Pathology.
7. Obstetrics.
8. Attendance in the wards of a general hopsital having not less than 100 beds.

COURSES OF FOUR MONTHS EACH—

1. Therapeutics.
2. Jurisprudence and Toxicology.
3. Topographical Anatomy.

A COURSE OF TWO MONTHS—

Clinical instruction in contagious diseases and vaccination.

Fourth Year.

COURSES OF EIGHT MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.
5. Pathology.
6. Practical Pathology.
7. Obstetrics.
8. Ophthalmology (examination of the eye, commoner diseases); Otology (examination of the ear, commoner diseases); Rhinology and Laryngology (commoner diseases of the nose and throat).
9. Attendance in the wards of a general hospital having not less than 100 beds.

COURSES OF FOUR MONTHS EACH—

1. Gynæcology.
2. Hygiene and Preventive Medicine.

COURSE OF TWO MONTHS—

Mental Diseases.

At the Fourth examination, the candidate is required to submit the following certificates:—

1. Of having conducted at least six labours.
2. Of proficiency in vaccination.

Of having attended twelve autopsies.

The certificate of a registered practitioner will be accepted in respect of 1 and 2.

Fifth Year.

COURSES OF SIX MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.

5. Pathology (gross and microscopical).
6. Clinical Gynæcology and Operative Obstetrics.
7. Ophthalmology, Otology, Laryngology and Rhinology.

COURSES OF THREE MONTHS EACH—

1. Special Therapeutics.
2. Regional Anatomy.
3. Advanced Physiology of the digestive and nervous systems.

A COURSE OF AT LEAST TWO MONTHS—

Anæsthetics.

COURSES OF AT LEAST SIX WEEKS—

1. History of Medicine.
2. Life Assurance.

The lectures in the Fifth Year are not to exceed two per diem, the remaining part of the day is to be devoted to laboratory and hospital work.

SUBJECTS OF THE DIFFERENT EXAMINATIONS.

FIRST EXAMINATION.

1. Physics.
2. Chemistry (Inorganic).
3. Biology.

SECOND EXAMINATION.

1. Anatomy.
2. Physiology.
3. Embryology and Histology.
4. Materia Medica and Elementary Therapeutics.
5. Chemistry (Organic and Physiological).
6. Methods of Physical Examination.

THIRD EXAMINATION.

1. Medical and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Obstetrics.
5. Therapeutics.
6. Jurisprudence and Toxicology.
7. Topographical Anatomy.

The results of this examination will be considered in determining standing at the Fourth examination.

FOURTH EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Obstetrics.
5. Ophthalmology, Otology, Rhinology and Laryngology.
6. Gynæcology.
7. Hygiene and Preventive Medicine.
8. Mental Diseases.
9. Pediatrics.

FIFTH EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Gynæcology.
5. Obstetrics.
6. Ophthalmology, Otology, Laryngology and Rhinology.
7. Special Therapeutics.
8. Regional Anatomy.
9. Advanced Physiology.
10. Anæsthetics.
11. History of Medicine.
12. Life Assurance.

EXAMINATIONS FOR HONOURS.

Candidates taking seventy-five per cent. of the aggregate number of marks in the Pass and Honour Papers of the First or Second examination, or of one or more of the groups of subjects in the Final examination will be placed in the Honour list.

Additional papers on all Pass subjects of an examination may be set for the Honour candidates.

The subjects of the Final examination are grouped for Honours as follows:—

Group I. 1. Medicine and Clinical Medicine.
2. Pathology.
3. Therapeutics.

Group II. 1. Surgery and Clinical Surgery.
2. Pathology.
3. Topographical Anatomy.

Group III. 1. Obstetrics.
2. Gynæcology.
3. Pathology.

Group IV. 1. Medical Jurisprudence and Toxicology.
2. Hygiene.
3. Medical Psychology.

Only those candidates will receive their degree with Honours who have obtained Honours in the First, Second and Final examinations.

ADMISSION AD EUNDEM STATUM.

Undergraduates of other Universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

DEGREE OF M. D.

Bachelors of Medicine of at least one year's standing may obtain the degree of M.D. on the fulfilment of either of the following conditions:—

1. Having presented an approved thesis embodying the results of an original research conducted by the candidate in any department of medicine; or

2. Having passed the fifth examination.

ADMISSION AD EUNDEM GRADUM.

A graduate of any of the Universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

MEDALS AND SCHOLARSHIPS.

Medals.

The Faculty offers a gold medal and three silver medals annually for competition among those students of the Medical Faculty who are Honour candidates for the degree of M.B., which will be awarded by the Senate on the recommendation of the examiners.

Undergraduate Scholarships.

The following scholarships are annually offered for competition amongst students who attend the Lectures of the University Medical Faculty:—

At First Examination. . . . . one of $50
At First Examination. . . . . one of $30
At Second Examination. . . . . one of $50
At Second Examination. . . . . one of $30

Every student taking a scholarship is required to sign a declaration that it is his intention to pursue his medical studies for two or three years, according to the year in which he has taken such scholarship, and to proceed to a degree in the University of Toronto, and that he is not an undergraduate or graduate in the Faculty of Medicine of any other University.

No scholarship will be awarded to any candidate who has not obtained honours in the examination for which it is conferred.

Each scholarship is tenable for one year only, but a scholar of one year is eligible for the scholarship of a succeeding year.

The scholarships or medals are not open to those who are at the same time undergraduates or graduates in Medicine of another University.

No undergraduate in the Honour course, who shall have degraded into a lower year, shall be permitted at any ensuing examination to compete for medals or scholarships, except by special permission of the Faculty, to be granted only in case of illness or for other grave reasons.

THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

Dr. A. H. F. Barbour, of Edinburgh, having placed a sum of money at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto:

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the Convocation for conferring degrees in Medicine to the Bachelor of Medicine who shall have distinguished himself most during the Undergraduate course in the Honour course in Biological and Physical Science.

The award shall be made by a committee composed of the Professors in these subjects, who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University, on some subject bearing on the advancement of medical science —the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving a satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship consists in the proceeds of one thousand pounds sterling, invested at the rate of interest secured by the University for such benefactions.

The Reeve Scholarship.

The Reeve Post-graduate Scholarship, amounting to $250, which had been given for four years by the Dean of the Faculty, has, through the generosity of P. C. Larkin, Esq., been continued and will be awarded upon the following terms:—

The award shall be for one year, but in the event of the holder of the scholarship showing exceptional ability he may be re-appointed.

The holder of the scholarship shall devote his time to original research in the Department of Pathology or of Physiology. He will, however, be expected to assist in the Laboratory, provided always that the amount of time required of him as such assistant demonstrator in the Laboratory shall not exceed four hours per week.

The award shall be made by a committee composed of the Professors of Physiology and Pathology and the Dean of the Faculty, who shall report as to the successful candidate after having given due attention to the results of the Annual Examinations and the character of the work done by him in the University Laboratories. The candidate selected shall be one who has during his undergraduate career given evidence of ability to pursue original research.

Applications for the scholarship must be sent to the Dean of the Faculty not later than the 15th of September, and the successful candidate shall begin work not later than the 1st of October, and shall devote at least eight months to the work.

The scholarship shall be paid in two instalments, half the amount on the 15th of October, and the other half on the 15th of January, provided the scholar gives evidence of having satisfactorily carried on the work up to that date.

The Starr Medals.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals, called the "Starr Medals," are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

FEES FOR INSTRUCTION.

Regular Students in Medicine.

First, Second, Third and Fourth Years—
If paid in full on or before November 10.....$100 00
By instalments—
First instalment, if paid on or before November 10... 52 00
Second instalment, if paid on or before February 10. 53 00

Students in Science of the Third or Fourth Years in the Faculty of Arts.

First and Second Years—
If paid on or before November 10..... $85 00
By instalments—
First instalment, if paid on or before November 10... 45 00
Second instalment, if paid on or before February 10...45 00

Third and Fourth Years—
If paid in full on or before November 10.....$100 00
By instalments—
First instalment, if paid on or before November 10.. 52 00
Second instalment, if paid on or before February 10.. 53 00

Fifth Year Students—
If paid on or before November 10..... 50 00

Repeating the Year—
If paid on or before November 10..... 25 00

The above fees are payable in advance. After November 10th a penalty of $1.00 per month will be imposed until the whole amount is paid. In the case of payment by instalments the same rule as to penalty will apply.

REGISTRATION, LIBRARY AND LABORATORY SUPPLY FEES.

Registration (payable once only).....$ 5 00
Biological laboratory supply fee in first year..... 2 00
Biological laboratory supply fee in second year..... 3 00
Physiological laboratory fee in first year..... 3 00
Physiological laboratory fee in second year..... 5 00
Chemical laboratory supply fee in first and second years. 3 00
*Library fee, payable in each year of undergraduate course. 2 00

*NOTE: This fee is optional for students registered in the Faculty of Medicine prior to session 1905-1906.

FEES FOR EXAMINATION AND DECREES.

Students in the Fourth Year will be required, in addition, to pay a fee of $5 for the extra-mural class in Medical Psychology.

For Matriculation or Registration of Matriculation.....$ 5 00

For Annual Examinations (each)	14 00
For Admission *ad eundem statum*	10 00
For the Degree of M.B	20 00
For the Degree of M.D	20 00
For Admission *ad eundem gradum*	20 00

The fee for examination, and, in the case of candidates of the Fourth Year, that for the degree, must be paid to the Bursar not later than the 20th March.

HOSPITAL FEES.

The Hospital fees—payable to the Hospital authorities—are as follows:—

Perpetual ticket	$34 00
Annual ticket	14 00
Burnside Lying-in-Hospital	8 00

Special attention of the Students is called to the fact that the Bursar's office hours are from 10 a.m. till 1 p.m. Fees will in no case be received on Saturday, and on other days the regulation respecting the hours specified will be strictly adhered to.

All fees are payable to the Bursar.

MEDALLISTS.

Medicine.

g, gold medal; s, silver medal.

YR.
58 Oille, L. S., *g.*
Aikins, M. H., *s.*
Millar, T., *s.*
59 Barnhart, C. E., *g.*
King, J., *s.*
Francis, W. F., *s.*
60 Bascom, J., *g.*
Playter, E., *s.*
Tisdell, F. B., *s.*
Morton, E. D., *s.*
Ogden, W. W. *s*
Martyn, D. H., *s.*
61 Hudson *g.*
Elliott, J. D., *s,*
62 Dolster, J., *g.*
DeGrassi, G. P., *g.*
63 Ramsay, W. F., *g.*
64 McLaughlin, J. W., *g.*
65 Burnham, E. L., *g.*
McCarthy, J. L. G., *s.*
Kitchen, E. E., *s.*
66 Mickle, W. J., *g.*
McCullough, J., *s.*
Wadsworth, J. J., *s.*
67 Sparks, T., *s.*
Palmer, R. N., *s.*
Harbottle, R., *s.*
Eccles, F. R., *s.*
McFarlane, N., *s.*
Newton, J. H., *s.*
68 Brown, J. P., *g.*
Hunt, R. H., *s.*
Howe, T. C., *s.*
69 Graham, J. E., *g.*
Humble, C., *s.*
McCollum, J. H., *s.*
Bentley, T. B., *s.*
70 Greenless, A., *g.*
Burgess, T. J. W., *s.*
Smith, C. M., *s.*
Standish, J., *s.*
Wagner, W. J., *s.*
Burt, W., *s.*
70 Williams, A. D., *s.*
71 Forrest, W., *g.*
Moore, C. Y., *s.*
Henning, N. P., *s.*
Delamater, R. H., *s.*
72 Zimmerman, R., *g.*
Crozier, J. B., *s.*
73 Close, J. A. *g.*
Beeman, M. I., *s.*
Wright, A. H., *s.*
Hagel, S. D., *s.*
74 Fraser, D. B , *g.*
Brown, O. C. *s.*
Farwell, A., *s.*
Cameron, I. H., *s.*
Shaw, G., *s.*
Fraser, D., *s.*

YR.
75 Britton, W., *g*
White, J., *s.*
Bennett, J. H., *s.*
Eakins, J. E., *s.*
76 McPhedran, A., *g.*
Lackner, H. G., *s.*
Bowerman, A. C., *s.*
Wilson, W. J., *s.*
77 Stuart, W. T., *g.*
Orr, R. B., *s.*
Richards, N. D., *s.*
78 Griffin, H. S. *g.*
Meek, H., *s.*
Bonnar, J. D., *s.*
Kennedy, G. A.,
Gardiner, J. H., *s*
79 Burt, F., *g.*
Mills, R. P., *s.*
Chappell, W. F., *s*
80 Cross, W. J., *g.*
Bryce, P. H., *s.*
Ferguson, J., *s.*
81 Duncan, J. H., *g.*
82 Wallace, R. R., *g.*
Duncan, J. T., *s.*
83 Robinson, W. J., *g.*
83 Dolsen, F. J., *g.*
84 Clerke, J. W., *g.*
85 Howell, J. H., *g.*
Carr, L., *s.*
85 Saunders, M. R., *s.*
Hoople, H. N., *s.*
86 Peters, G. A., *g.*
Noecker, C. T., g,
Johnston, D. R., *s.*
87 Ego, A., *g.*
88 Féré, G. A., *g.*
Galloway, J., *s.*
89 Chambers, G., *g.*
Collins, J. H., *s.*
Godfrey, F. E., *s.*
90 Barker, L. F., *g.*
Cullen, T. S., *s.*
Philp, W. H., *s.*
McFarlane, M. T., *s.*
McGillivray, C. F., *s.*
91 Barnhart, W. N., *g.*
Bollen, P., *s.*
Boyd, G., *s.*
McGorman, G., *s.*
92 Bruce, H. A., *g.*
Middlebro, T. H., *s.*
Gowland, R. H., *s.*
Brown, J. N. E., *s.*
93 Harvie, J. N., *g.*
South, T. E., *s.*
Elliott, W., *s.*
Futcher, T. B. } Æ, *s.*
Harvey, E. E. }
94 McCollum, W. J., *g.*

YR.
94 Rutledge, H. N., *s.*
Crain, W. E., *s.*
Johnston, H. A., *s.*
95 Merritt, A. K., *g.*
McKay, T. W. G.
McCrae, T., *s.*
Hunter, A. J., *s.*
96 McCaig, A. S., *g.*
Roberts, E. L., *g.*
Graef, C., *s.*
Goldie, W. S.
Macklin, A. H., *s.*
97 Elliott, J. H., *g.*
Hume, J. J. C., *s.*
Nichol, R., s,
Yeomans, W. L., *s.*
98 McCrae, J., *s.*
Sutherland, G. A., *s.*
White, W. C., *s.*
Cahoon, F., *s.*
99 Wells, W., *g.*
Hargrave, H. G., *s.*
Piersol, W. H., *s.*
Gow, J., *s.*
1900 P. L. Scott } Æ, *g.*
C. C. Bell }
G.W. Howland } Æ, *s.*
D. G. Revell }
E. D. Carder, *s.*
01 Clarkson, F. A., *g.*
McIlwraith, D.G., *s.*
Cleland, F. A., *s.*
Carswell, W.A. } æq. *s.*
Cohoe, B. A. }
02 Roaf, H. E. } æq, *g.*
Saunders, P.W }
Fletcher, G. W., *s.*
Moir, A., *s.*
Archer, A. E., *s.*
03 Oille, J. A., *g.*
Phillips, J., *s.*
Yin, S. C., *s.*
Wilson, G. E. S., *s.*
04 McCulloch, R. J. P., *g.*
Kinghorn, A., *s.*
Anderson, R. W., *s.*
Walker, S. B., *s.*
05 Lemon, W. S., *g.*
Ford, G., *s.*
Merritt, W., *s.*
Gowland, M. E., *s.*
06 McNeil, H. M., *g.*
Holbrook, J. H., *s.*
Dickson, E. C., *s.*
Moorhead, A. S., *s.*
07 Gray, G. C., *g.*
McVicar, C. S., *s.*
Schinbein, A. B., *s.*
Cannon, O. A., *s.*

Starr Medallists.

67 Palmer, R. N.
68 Hunt, R. H.
Brown, J. P.
Cassidy, J. J.
69 Graham, J. E.
70 Burgess, T. J. W., *g.*
Greenless, A., *s.*
Wagner, W. J., *s.*
71 Moore, C. Y., *g.*
Henning, N. P., *s.*
Forrest, W., *s.*
72 Zimmerman, R., *g.*
Crozier, J. B., *s.*
73 Meldrum, N. W., *g.*
Close, J. A., *s.*
Hagel, S. D., *s.*
74 Brown, O. C., *g.*
Farewell, A., *s.*
Campbell, A. J., *s.*
75 Britton, W., *g.*
White, J., *s.*
Bennett, J. H., *s.*
76 Lackner, H. G., *g.*
McPhedran, A., *s.*
Bowerman, A. C., *s.*
77 Stuart, W. T., *g.*
78 Bonnar, H. A., *g.*
Meek, H., *s.*
78 Griffin, H. S., *s.*
79 Burt, F., *g*
80 Cross, W. J., *g.*
80 Bryce, P. H., *g.*
81 Duncan, J. H., *g.*
82 Wallace, R. R., *g.*
83 Robinson, W. J., *g.*
86 Peters, G. A., *g.*
89 Collins, J. H., *g.*
Chambers, G., *s.*
90 Barker, L. F., *g.*
91 Barnhardt, W. N., *g.*
92 Middlebro, T. H., *g.*
Bruce, H. A., *s.*
96 McKay, T. W. G., M.B.
Rannie, J. A.
99 Hill, H. W.
03 McCrae, T.

WINNERS OF FACULTY MEDALS AND SCHOLARSHIPS FOR 1907.

Medals.

Faculty Gold Medal.....G. C. Gray.
First Faculty Gold Medal.....C. S. McVicar.
Second Faculty Silver Medal.....A. B. Schinbein.
Third Faculty Silver Medal.....O. A. Cameron.

Scholarships.

Second Year..... 1. S. B. Peele. 2. H. E. Alexander.
First Year..... 1. W. J. M. Marcy. 2. W. F. M. Adams.

POST-GRADUATE SCHOLARSHIPS.

THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

A. G. HUNTSMAN. E. C. COLE (*proxime accessit*).

STUDENTS OF THE UNIVERSITY FACULTY WHO RECEIVED THE DEGREES IN MEDICINE AT THE ANNUAL EXAMINATIONS OF 1906.

M. B.

Acheson, Wm. Clinton.
Adam, Robert Thomas.
Anderson, John Stewart.
Baillie, William.
Bates, Gordon Anderson.
Bell, Henry Wallace.
Bennetto, Fenwick Royden.
Blanchard, Edward.
Boyer, Geo. Florian.
Broome, William John.
Brydon, William Hall.
Buck, Geo. Stanilaus.
Burns, James.
Calder, Miss Margaret.
Callahan, Thos. Henry.
Campbell, Alex. Douglass.
Cannon, Oscar Anson.
Christie, John George.
Cole, Edward Cooper, B.A., 1905.
Crann, George Ross.
Defoe, Allan Roy.
Elliott, Byron Stevenson.
Evans, Joseph Austin.
Faulds, Robert William.
Fidlar, Edward, B.A., 1905.
Fleming, Albert Grant.
Gideon, Eugene DeMontvin.
Graham, Lorne Benjamin.
Graham, Melvin.
Gray, Gordon Cameron.
Harrison, Tillson Lever.
Hartman, Clare Clifford.
Hazelwood, James Frederick.
Henderson, David Alex.
Henderson, Ernest Malan, B.A., 1905.
Hincks, Clarence Meredith, B.A., 1905.
Hunt, Joseph William.
Huntsman, Archibald Gowanlock, B.A., 1905.
Hurlbert, Frederick Hennon.
Hutton, Thomas Oswald.
James, Harry Joseph.
Jamieson, Claude Vernon.
Johnston, Crawford.
Johnston, Harry Blackburn.
Johnston, Hugh Wellington.
Johnston, William James.
Kay, Amos Frank.
Kenny, Randall Young.
Lapatnikoff, William.
Large, Wallace Bruce.
Leigh, Sydney Septimus.
Menten, Miss Maud Lenora, B.A., 1904.
Middleton, Frederick Charles.
Miller, Frederick Robert, B.A., 1903.
Milne, John Daniel.
Mooney, Chester Nephy.
Morgan, Henry Albert Edgar.
Morrison, Thomas.
Mulholland, Ross Peregrine.
McArthur, Archibald Duncan.
McClelland, William Albert.
McFadden, Henry Mervin.
MacKay, John Thorne.
MacKenzie, Duncan William.
MacKenzie, Kenneth Nichol.
MacLachlan, John.
McLean, Angus A.
Macleod, John Alexander.
MacLeod, Neil.
McPhedran, William Fletcher, B.A., 1905.
McPherson, Angus William.
McPherson, Gordon Archibald.
McRuer, John McIntyre.
McVicar, Charles Stanley.
Newell, Orton James.
Nickle, Miller Alexander.
Norman, Thomas Hugh.
Platt, Edward Orren.
Reid, Peter.
Relyea, Egbert Hiram.
Richardson, Elmer Freeman.
Robb, John Oswald.
Robertson, David Edwin.
Routley, Frederick William.
Schinbein, Austin Birrel.
Shier, Walter C.
Simpson, Leonard Jennett.
Sparks, George Lindsay.
Speers, Joseph Henry.
Sproule, Miss Pearl Jean.
Stewart, Robert.
Stinson, Smith.

Sutherland, Charles Goldie.
Taylor, William Albert.
Thompson, Clarence Philip.
Thompson, John James.
Tye, Percival Lawrence.
Walker, Herbert.
Walsh, William Charles.
Whillans, James Archibald.
Whitmore, George Hubert.
Williams, Ralph Arthur.
Willson, Herbert George, B.A., 1901.
Wilson, Norman King.
Wilson, Charles Edwin.
Woods, Hubert Brown.
Young, Ernest Herbert.

M. D., C. M.

Bigham, James Spencer Freeman.
Cerswell, Benjamin Samuel.
Crux, Albert.
Hendrick, Mountford A.
Luckhoo, Daniel Lawrence.
McNichol, Oscar Addison.
Scheck, William Stephen.
Stirrett, Andrew Park.
White, Samuel Tait.

CURRICULUM FOR THE DIPLOMA OF PUBLIC HEALTH.

1. The University shall offer a Diploma in Public Health (D.P.H.) on the conditions hereinafter detailed.

2. Candidates for the Diploma must be graduates in Medicine of this University, or of some other University recognised for this purpose by the Senate.

3. The curriculum leading to the Diploma shall extend over two Summer Sessions of three months each, and one Winter Session of six months.

4. The first Summer Session shall be devoted to Laboratory work in
   1. Sanitary Chemistry.
   2. Bacteriology.
   3. Parasitology.

5. The Winter Session shall be devoted to
   a. Advanced General Hygiene.
   b. Advanced General Pathology, including Theory of Immunity and Comparative Pathology.
   c. Elements of Geology, Meteorology and Climatology, in their relation to Public Health.
   d. Sanitary Engineering.
   e. Sanitary Legislation and Vital Statistics.
   f. Clinics on Contagious Diseases.
   g. History of Preventive Medicine and Epidemiology.

6. Candidates for the Degree of M.D. may substitute the foregoing Winter Course for such subjects or portion of subjects of the Fifth Year in Medicine as are not demanded by the College of Physicians and Surgeons of Ontario, at its final Examination.

7. The Second Summer Session shall be devoted to a course of Practical work in Public Health under the supervision of the Provincial Board of Health, including the methods of dealing with infectious diseases, inspection of schools and other public buildings, factories and dairies, inspection of water supplies and sewage disposal plants and other forms of municipal sanitation.

8. At the conclusion of the Winter Session an examination will be held on the subjects of the curriculum in Public Health specified in paragraphs 4 and 5, the passing of which shall be a necessary preliminary to entering upon the practical course indicated in paragraph 7.

9. Candidates who have passed the examination, and who present from the Provincial Board of Health a certificate of efficiency in the subjects specified in paragraph 7, will be granted the Diploma of Public Health.

10. The fees for the Course shall be $150, payable in two instalments of $75 each at the beginning of the first Summer Session and the Winter Session respectively. The fee for the Diploma shall be $20.

11. Up to and including 1907, graduates in Medicine who have acted as Medical Health Officers for a period of two years may present themselves for the examination referred to in paragraph 8 without preliminary attendance on the Courses of Instruction. For such candidates the fee for the Diploma shall be $100.

CURRICULUM IN DENTISTRY.

DEGREE OF DOCTOR OF DENTAL SURGERY.

Matriculation.

Candidates for the degree of Doctor of Dental Surgery must pass the Matriculation examination hereinafter mentioned, unless

1. They possess a degree in Arts (not being an Honorary Degree), from some recognised University; or

2. Have already matriculated in the Faculty of Arts in this or some other University in Canada; or

3. Are Matriculants in the College of Physicians and Surgeons of Ontario; or

4. Have passed the Form III. or Form IV. Departmental Non-professional examinations in which the Latin option has been taken, it being understood that the equivalent examinations under titles no longer in force will be accepted.

Candidates not possessing any of the above named qualifications, will be required to pass the examination prescribed for matriculants in the Faculty of Arts in this University, provided always that candidates registered as matriculants of the Royal College of Dental Surgeons of Ontario, shall be admitted matriculants in the Department of Dentistry.

Undergraduates.

Candidates of the degree must matriculate before writing on any of the subjects prescribed for the final examination.

Undergraduates (candidates for the degree), residents of the Province of Ontario, must have complied with all the requirements prescribed from time to time by the Board of Directors of the Royal College of Dental Surgeons of Ontario, for admission to examination for a certificate of license to practice Dentistry in Ontario.

Undergraduates (candidates for the degree), not resident in Ontario, must:

1. Have devoted at least three and one-half calendar years (not being engaged in any other business) to the study of Dentistry.

2. Must have attended at least three full courses of lectures, embracing all the subjects of the curriculum, of not less than seven months each, and including the daily clinic at a dental school recognised by this University; the last of which courses must be at the School of Dentistry of the Royal College of Dental Surgeons of Ontario.

3. Must have spent that portion of time, when not in attendance at lectures and clinics at the School of Dentistry, as students in the office of an approved dentist.

Examinations.

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provision be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Candidates for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination. The subjects for intermediate examinations shall be:—

(*a*) Comparative Dental Anatomy.
(*b*) General Histology.
(*c*) Bacteriology.
(*d*) Theory of Operative Dentistry.
(*e*) Theory of Dental Prosthetics.
(*f*) Dental Technique.
(*g*) Dental Materia Medica and Therapeutics.
(*h*) Principles and Practice of Medicine and Surgery as applied in Dentistry.
(*i*) Anatomy.
(*k*) Physiology.
(*l*) Chemistry.

The subjects for final examination shall be:—

(*a*) Theory and Practice of Operative Dentistry.
(*b*) Theory and Practice of Dental Prosthetics.
(*c*) Dental Pathology.
(*d*) Dental Histology.
(*e*) Principles and Practice of Medicine and Surgery as Applied in Dentistry.
(*f*) Dental Materia Medica and Therapeutics.
(*g*) General Anatomy and Special Anatomy of Head and Neck.
(*h*) Physiology.
(*i*) Chemistry.
(*k*) Jurisprudence.
(*l*) Orthodontia.

(These examinations will be written.)

(*m*) Practical Operative Dentistry.
(*n*) Practical Prosthetic Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratories of the College.

Annual examinations in April, and supplemental examinations in September, will be conducted under the joint auspices of the University and the Royal College of Dental Surgeons of Ontario.

Regular students of the Royal College of Dental Surgeons proceeding to the Degree of D.D.S. may take the final examination in any subject at the close of the session in which it is completed in the College. The marks obtained in these subjects will be carried forward and tabulated with the results of the examinations of the final year.

No candidate shall be considered as having passed the examination who has not obtained 60 per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least 40 per cent. of the marks allotted to such subject.

Equivalent Examinations.

Examinations in the Faculty of Arts in the Department of Natural Science, Division 1, are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows:—

(*a*) Physiology and Chemistry of the Second Year for the Physiology and Chemistry of the intermediate examination.

(*b*) Histology of the Fourth Year for the General Histology and Bacteriology of the intermediate examination.

(*c*) Chemistry of the Third Year and Physiology of the Fourth Year for Chemistry and Physiology of the final examination.

(*d*) On application to the Senate, similar credits may be given for similar examinations passed in the Faculty of Arts or the Faculty of Medicine of other universities.

Fees.

The fee for examination for matriculation, in whole or in part, or for registration of any certificate accepted in lieu of examination, shall be five dollars.

The fee for final examination shall be ten dollars, which shall be paid before writing on any subject of the final examination.

The fee for supplemental examination in one or more of the final subjects shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars, which shall be paid before writing on the examination of the final year.

No fee shall be charged for transference from any Faculty of the University to the Department of Dentistry.

The fee for admission *ad eundem gradum* shall be twenty dollars.

Concurrent Course in Medicine and Dentistry.

Students who are matriculants in the Faculty of Medicine and in the Department of Dentistry, may take a concurrent course in Medicine and Dentistry which will extend over six years.

Students taking this course will pass the regular University examinations in the subjects of the Medical curriculum from year to year as they are completed in the Medical Faculty, and in the final Dental subjects of the curriculum in Dentistry, from year to year as they are completed in the Royal College of Dental Surgeons.

Students taking this concurrent course, who have fulfilled all the requirements for the degree of M.B., and who have successfully passed the examination in the Dental subjects of the curriculum in Dentistry, including Dental Materia Medica and Therapeutics, shall receive the degree of D.D.S.

FEES.

First and Second Years: $50 per annum for each of the four years of the course in Dentistry.

Third and Fourth Years: $100 per annum.

Candidates for degrees in the combined course are subject to the regulations respecting library, laboratory, examination and degree fees.

FACULTY OF MEDICINE.

First Year.

Alexander, H. E..Fredericton, N.B.
Alexander, J. G.....Dunnville
Allen, D. W.....Toronto
Alport, E. B.....Orillia
Armstrong, A. C.....Drayton
Arnold, W. C.....Zepher
Ball, H. deW.....Toronto
Barker, P. W.....Stratford
Beeman, N. T.....Kingsville
Belfry, R. A.....Orillia
Bell, J.....Blyth
Bergman, S.....Toronto
Birchard, C. C.....Coboconk
Brady, R. E.....Lindsay
Brewster, F. A.....Sunderland
Bryans, F. T.....Jamestown
Buck, F. H.....Norwood
Buck, H.....Port Rowan
Burnet, J. M.....Armstrong, B.C.
Burroughs, C. M.....Sudbury
Butterfield, R. M.....Milton
Campbell, F. J.....Arkona
Campbell, J. P.....Arthur
Campbell, R.....Gravenhurst
Chapman, L. D.....Essex
Clark, D. A.....Toronto
Clarke, R. W.....Ballyduff
Clarke, W. A....Toronto Junction
Clegg, G. G.....Trenton
Cook, T. J.....Paris
Crews, W. H.....Trenton
Cruise, W. W.....Port Rowan
Davis, E. C.....Hartford
Davis, H. C.....Toronto
Davis, R. E.....Ivy
DeLaMatter, I..Brown's Nurseries
Dey, W. F. I.....Simcoe
Dickson, I. W.....Toronto
Dickson, J. B.....Waco, Texas
Doherty, Miss M. A.....Eglinton
Eager, J. C.....Waterdown
Elliott, H. M.....Mitchell
Faris, M. N.....Bradford
Feare, W. K.....Seaforth
Ferguson, H. E.....Toronto
Ferguson, W. E.....Toronto
Finn, J. J.....Toronto
Finnerty, E. J. J.....Toronto
Follett, J. V...Western Bay, Nfld.
Forsyth, R. H.....Toronto
Fuller, C. L. R.....Ruthven
Frost, I. F.....Philadelphia, Pa.
Gallie, J. G.....Barrie
Gamey, L. R.....Gore Bay
Geiger, W.....Hensall
George, H.....Port Hope
Gibson, C. C.....Allandale
Gillam, G. J.....Woodstock
Gillespie, A. T.....Galt
Graham, R. R.....Lobo
Guest, Miss E. M.....Elginfield
Hackett, W. L.....Belfast
Hall, M. E.....Gore Bay
Hamilton, G. H. R.....Guelph
Hanna, G. M.....Brantford
Harper, F. S.....Hamilton
Harrington, M. A.....Toronto
Harrison, H. D.....Toronto
Hart, D. C.....Yorkton, Sask.
Harvey, F. R.....Arthur
Henderson, L.....Welland
Henderson, R. H.....Toronto
Henderson, R. St. C...West Lorne
Hicks, T. J.....Corbyville
Hodgson, R.....Granton
Holmes, R. E.....Liverpool, Eng.
Holmes, S. M.....Chatham
Hopper, D. A.....Paisley
Horton, E. M.....Napanee
Hume, W. W.....Green Bay, Wis.
Huxtable, E. W.....Sunderland
Jackes, H. L.....Toronto
Jamieson, R. A.....Mount Forest
Johnston, H. Y.....Woburn
Johnston, R. E.....Toronto
Johnson, H. E.....Barrie
Jupp, J. B.....Belwood
Kay, A. D. W.....Windsor
Kearns, J. A.....Barrie
Keith, M. N.....Toronto
Kelly, C. B.....Guelph
Kenny, Miss M. S.....Toronto
Kirby, T. S.....Arthur
Landes, W. J.....Metz
Lane, R. T.....Sault Ste. Marie
Lawson, A. S.....Guelph
Leahy, B.....Douro
Lee, J. G.....Toronto
Lees, H. D.....St. Thomas
Lemesurier, A. B.....Toronto
Letts, F. L.....Lambeth
Lillie, R. K.....Westport
Livingstone, H. D.....Listowel
Loring, F. W.....Nelson, B.C.
Lowrie, A.....Tillsonburg
Leonard, A. V.....Toronto

Mahlangeni, M. R.Toleni, S. Africa
Mann, J. B.....Bridgenorth
Marlatt, C. R...Portage la Prairie
Meader, Miss M.....Toronto
Menzies, P. K.....Toronto
Mitchell, H. H.....Niagara Falls
Moffatt, H. B.....Toronto
Montgomery, R. R.....Wroxeter
Montgomery, W. G.....Gorrie
Moore, W. T.....Listowel
Moorehouse. V. H. K.....Toronto
Morrison, N. A.....Elmvale
Morrison, R. L.....Campden
Moyle, H. B.....Burlington
Munro, R. W.....Uxbridge
Murray, H. H.....Toronto
McAllister, A.....Hensall
McArthur, E. C.....Greenbank
Macaulay, B. N.....Cairo
McBride, G. F.....Hamilton
McCool, C. J.....Ottawa
MacCurdy, J. T.....Toronto
McDonald, J. A.....Peterboro
McDonough, V. A.....Nashville
McElderry, V. J.....Guelph
McGilvery, F. E. B....Port Rowan
McKay, D. G.....Bradford
Mackay, E. B...Port Huron, Mich.
McKay, R. A.....Ingersoll
McLarty, W. J.....Barrie
McLay, S. M.....Woodstock
McLean, J. M.....Port Hope
McLurg, J.E.....Sault Ste. Marie
McMaster, J. S...South Drummer
McQuibban, J. A.....Harriston
Macdougall, G. L.....Toronto
Nedd, J...Georgetown, Brit. Guiana
Neff, E. A.....Ingersoll
Nettleton, J. M..Penetanguishene
Nicholson, W. F..Flamboro Centre
Niemeier, O. W..Toronto Junction
O'Griffin, L.....McIntyre
Orr, A. J.....Hamilton
Pain, A.....Hamilton
Parker, G. P.....Lumenberg, N.S.
Parr, R. L.....Blackstock
Paton, J. P.....Merritton
Patten, L. A.....Armstrong, B.C.
Pearson, W. E.....Hanover
Peele, S. P..New Westminster, B.C.
Pettman, F. E.....Tillsonburg
Phillips, O. M....Vancouver, B.C.
Phoenix, N. L.....Greenbank
Poirier, J. S.....St. Catharines
Priestman, G.....Marshville
Proud, W. A.....Hespeler
Rankin, M. D.....Toronto
Richardson, Miss A. M....Toronto
Richardson, C. W,
Edmonton, Alta.
Ritchie, A. B....Strathcona, Alta.
Robertson, H. C.....Shallow Lake
Roe, H.....Toronto
Scott, A. G.....Minto, Man.
Selby.....Brantford
Sheard, C.....Toronto
Shields, H. A.....Brampton
Sinclair, A. C.....Toronto
Spence, L. H. B.....Toronto
Stevenson, W. O.....Hamilton
Straith, P. L.....Carnduff, Sask.
Streight, S. J.....Oxford Mills
St. Charles, C. C.....Belleville
Taylor, A. H.....Goderich
Thompson, F. J.....Lucknow
Travis, J. H.....Tillsonburg
Turofsky, H. A.....Toronto
Upton, W. W.....Bowesville
Vernon, E. G.....St. Mary's
Watt, J. C.....Toronto
Weir, M. T.....Rayside
Whyte, M. B.....Toronto
Williamson, G. L.....Lindsay
Woodhouse. Miss K. F....Toronto
Wright, C. S.....Campbellcroft

Second Year.

Adams, F.....Coboconk
Adams, W. F. M.....Toronto
Anderson, G. W.....Toronto
Atkinson, C. F.....Tillsonburg
Baker, H. W.....Toronto
Baldwin, St. G. P.....Toronto
Barrett, R.....Newton
Bayley, R. T..Cayenne, Fr. Guiana
Belfie, G.....Gananoque
Bell, H.....Collingwood
Bell, I. R.....Owen Sound
Bernard, N. A.
Savanna-la-Mar, Jamaica
Boott, K.....Toronto
Boyd, J. S.....Simcoe
Brace, W. D.....Peterboro
Brandon, T. A.....Forest
Bright, R. J. R.....Wiarton
Brown, A. G.....Toronto
Bruels, R. W.....Toronto
Campbell, D. A.....Hepworth
Carnduff, J. M....Carnduff, Sask.

Christian, J. R...Edmonton, Alta.
Christie, Miss J. B...Humber Bay
Clarke, H. M.....Toronto
Collins, F. H.....Peterboro
Culbertson, N. E.....Meaford
Cunningham, J. D.....Sarnia
Currey, D. V.....Toronto
Davis, R.....Staffa
Davis, W.....Onondago
Defries, W. J.....Toronto
Duff, T. A. J.....Cookstown
Eacrett, E. J.....Exeter
Earle, G. N. L.....Omemee
Ecclestone, W. M.....Toronto
Eedy, H. H.....Harriston
Ellis, S.....Windsor
Emerson, H. G.....Wheatley
Emerson, P. J.....Victoria, B.C.
Evans, A.....Virginia
Ewens, H. B.....Owen Sound
Eyres, H. H.....Lindsay
Fish, E. S.....Toronto
Freeland, G. S.....Toronto
Gardner, P. N.....Toronto
Gibson, J. R.....Millbank
Glionna, G. A. J.....Toronto
Graham, J. L.....Ottawa
Gunn, G. C.....Seaforth
Haffey, M. J.....Toronto
Hall, W.....Parkhill
Hannah, B.....Toronto
Harris, E. C.....Kingsville
Harvie, C. A.....Orillia
Hauch, C. D.....Walkerton
Henderson, A. J.
Wychwood Park P.O.
Henderson, E. K.....Toronto
Hinds, F.....Orillia
Holme, H. R.....Oil Springs
Hopkins, B. H.....Lindsay
Irwin, O. M.....Lisle
Jamieson, D. B.....Durham
Jamieson, W.....Wellandport
Johnson, J. A.....Strongville
Kells, G. W.....Palmerston
Kidd, G. C.....Trenton
Lane, R. D.....Kinlough
Leggett, W. G.....Walkerton
Linscott, G.....Brantford
Lunz, G. J.....Drayton
Lynn, R. W.....Calgary, Alta.
Marcy, W. J. M.....Valens
Masten, R. C. D.....Toronto
Miller, R. O.....Chatham
Morgan, E. A. W.....Deseronto
Moshier, H. H.....Sarnia
Murray, J. R. G.....Toronto
Murray, K. M.....Woodstock
MacAlpine, C. D. H.....Lindsay
MacBeth, W. L. C.....Toronto
McBride, C. J.....Egbert
McCaffrey, D.....Madoc
Macallum, A. B.....Toronto
McCort, E. A.....Bolton
McCullough, W. L.,
Sault Ste. Marie.
McDonald, Miss J.,
S. Vancouver, B.C.
McEwen, R. J.....Moffatt
McEwen, S. F.....Gleichen, Alta.
McInnis, J. A.....Manilla
McIntosh, J. A.....Toronto
McIntyre, E. L.....Forest
McLean, W. T.....Lucknow
McPhee, J. D.....Brechin
McQuade, E. A.....Toronto
McTavish, R.....LaVallee
Naylor, A. E.....Essex
Nelson, S. W. H.....Toronto
New, G. B.....Hamilton
Nicholson, H. M.....Toronto
O'Connor, F. J.....Campbellford
O'Neill, K. J.....Arthur
Peart, G. W.....Freeman
Pedlar, W. C.....Lindsay
Penny, W. G.....Toronto
Pentecost, R. S.....Toronto
Philp, G. R.....Hamilton
Pilcher, J. W.....Owen Sound
Pullan, Miss B. T.....Toronto
Rae, E.....Burlington
Richards, J. N.....Warkworth
Robertson, A. G.....Ivy
Robertson, F. N.....Walkerton
Robertson, L. B.....Toronto
Rogers, N. W.....Barrie
Sawdon, T.....Edgeley
Shaw, J. F.....Forest
Simpson, J. A.....Sarnia
Slater, W. D.....Toronto
Smillie, Miss Jennie.....Hensall
Smith, F. C. D.....Oshawa
Smith, R. A.....Hillsdown, Alta.
Solway, L. J.....Toronto
Spohn, P. D.....Penetang
Steinberg, A.....Toronto
Stephen, R. E.....Hamilton
Stone, J. G. R.,
Sault Ste. Marie
Sutherland, Miss G. L. I.,
Essequebo, B. Guiana
Sutton, A. E.....St. Thomas
Telford, N.....Valens
Terwillegar, N. L.....Oshawa

Thomas, J. T.....Edgar
Thomas, R. H.....Barrie
Thomas, W. M.....Watford
Totten, C.....Saskatoon, Sask.
Turnbull, H. L.....Atwood
Turrill, V. L.....Aylmer
Tyerman, W. W.....Cranbrook
Tyrer, E. R.....Barrie
Tytler, W. H.....Guelph
Waldron, C. W.....Toronto
Wells, E. R.....Barrie
Wesley, R. W.....Newmarket
Whetham, G. J.....Kirkwall
Williams, L. B.....Toronto
Wray, J. S.....Linwood
Yellowlees, N. J.....Toronto

Third Year.

Anderson, C. E.....Oil Springs
Armour, R. G.....Toronto
Barnet, F. L.....Chippewa
Bates, H. K.....Toronto
Beaver, G. W.....Lewiston, N.Y.
Boyd, E.....Toronto
Boyington, Miss L. F.....Toronto
Bricker, J. G.....Gorrie
Brown, A. H.....Stouffville
Brown, J. B.....Paisley
Brown, P. G.....Toronto
Buswell, R. E.....Centralia
Cairns, L. L.....Huntsville
Campbell, J. A.....Waubaushene
Carswell, D. F.....Elora
Casserly, M. J.....Tottenham
Chamberlain, H. W.....Aylmer
Chapman, F. R.....Essex
Clarke, D. W.....Ballyduff
Collins, A.....NiagaraFalls
Collins, W. C.....Burin, Nfld.
Cottam, J. A.,
Georgetown, Brit. Guiana
Coulter, W. G. G.....Windsor
Craise, O. S.....Petrolea
Crassweller, H.....Sarnia
Culham, H. A.....Hamilton
Daly, H. A.....Napanee
D'Arc, H. T.....Toronto
Davidson, R. E.....Beachburg
Davison, R. O.....Brantford
Day, W. E. C.....Shallow Lake
Dorsey, C. F.....Collingwood
Durnin, R. B.....Dungannon
Edward, Miss M. L.....Petrolea
Ellis, A. W. M.....Toronto
Elmore, C. W.....Springvale
Emmett, H. L.....Fonthill
Fader, W. R.....Windsor
Feldhans, H. W.....Coppercliff
Ferguson, A. D.....Fergus
Ferguson, W. D.....Valetta
Fielding, W. M.....Toronto
Foweller, J. M.....Petrolea
Fox, F. J.....Lucan
Francis, R. B.....Meaford
Galbraith, D. J.....Iona Station
Galbraith, J. L.....Mount Forest
Garrity, J. J.....Caledon
Gibb, W. B.....Toronto
Gideon, C. S.,
Port Antonio, Jamaica
Glanfield, W. J.....Regina, Sask.
Graham, C. W.....Goderich
Green, T. M.....Toronto
Grier, L. A. B.....Dundalk
Hamill, H. E.....Meaford
Hamilton, R. J.....Brinsley
Harkness, J. G.....Irena
Harrison, F. C.....Toronto
Harrison, J. P.....Dunnville
Harvie, W. A.....Orillia
Hawke, M. S.....Melford, Sask.
Haywood, A. K.....Toronto
Hewett, C. D.....Toronto
Hill, C. E.....Toronto
Horton, B. B.....Napanee
Hurst, R. L.....Freeborn
Hyland, G.....Toronto
Jackson, G. P.....Toronto
James, A. B.....Brantford
Jamieson, D. G.....Glenarm
Jamieson, L. F.Birmingham, Mich.
Johnston, T. J.....Carthage
Kelly, B. E.....Bridgenorth
Keyes, J. E. L.....Oakwood
Kinsey, A. L.....Bracebridge
Krupp, W.....New Dundee
Lailey, W. W.....Toronto
Large, O. S.....Poole
Lawson, J. H.....Brampton
Leacock, Miss R. B.....Orillia
Leslie, N. V.....Hamilton
Mabee, W.....Toronto
Mahood, C. S.....Lakelet
Marshall, J. F. S.....Forest
Matthews, R. A. S.....Toronto
Miller, A. H.....Castleton
Mills, S. G.....Toronto
Millyard, W. S.....Lucknow
Minthorn, H. I.....Queenstown
Monkman, J. A.....Stavely, Alta.

Montgomery, J. E.....Barrie
Moore, H. H.....Weston
Moore, S. E.....Oliphant
Morden, Miss M..Niagara Falls S.
Murray, A. M.....Newton
McCabe, L. G.....Waterdown
McCormack, V. W.....Vivian
McCormick, A. S...Montreal, Que.
McCulloch, W. G.....Enfield
McEwen, J. A.....Hensall
McFarlane, P. B.....Toronto
McGibbon, J. A.....Forest
McIlmoyle, W. D.....Fraserville
McKay, C. R.....Port Colborne
McKelvey, A. D.....Brussels
MacKenzie, C. R.....St. Thomas
McKinnon, A. J.....Star
McLean, J. E.....Orillia
McPherson, J. L.....Teeswater
McVean, Miss S. G.....Dresden
Ogden, W. E.....Toronto
Paterson, R. H.....Hamilton
Phair, J. T.....Toronto
Plewes, W. F.....Toronto
Pogue, O. A.....Lindsay
Pratt, W.....Cobourg
Prowd, C. W.....Desboro
Rice, A. G.....Toronto Junction
Richards, G. E.....Newboro
Richardson, R. S.....Toronto
Ricker, A. C.....Dunnville
Robertson, W. A.....Monkton
Robertson, W. H.....Toronto
Rogers, G.....Kingsville
Ross, C. F. W.....Peterboro
Ross, W. H.....Hamilton
Routledge, J. A.....Dunkeld
Rowland, C. E.....Toronto
Russell, Miss E. K..Windsor, N.S.
Scott, H. B. E.....Listowel
Scott, W. R.....St. Thomas
Sheard, R. H.....Toronto
Shepherd, W. G.....Ottawa
Sheply, E.....Leamington
Smith, Miss E. O.....Toronto
Smith, J. M.....Cannington
Spencer, J. E.....Picton
Sproule, N. E. H.....Schomberg
Taylor, N. B.....Toronto
Thompson, A. A.....Waterdown
Thomson, J.....Hastings
Tindale, W. E.....Woodstock
Trow, E. J.....Stratford
Tyerman, H. F.....Cranbrook
Walker, R. R.....Waterdown
Wallace, F. W.....Saintfield
Wallace, G. H.....Toronto
Ward, C. B.....Amiens
Welwood, T. R....Saltscoat, Sask.
Weston, R. E. A.....Tillsonburg
Whiteway, C. L.
Musgrove Harbour, Notre Dame Bay, Nfld.
Wilford, E. C.....Blyth
Williams, G. W.....Aurora
Willinisky, A. I.....Toronto
Wilson, F. D.....Toronto
Windsor, Miss F. E.,
St. John's, Que
Wood, J. H.....Florence
Worthington, G. H.....Guelph

Fourth Year.

Acheson, W. C....Vancouver, B.C.
Adam, R. T.....Lindsay.
Allison, D.....Belgrave
Anderson, J. S.....Wooler
Andrew, H. B.....Toronto
Allison, A.....Toronto
Baillie, W.....Toronto
Bates, G. A.....Toronto
Bell, H. W.....Port Perry
Bennetto, F. R.....Palmerston
Bigham, J. F.....Culloden
Blanchard, E.....Leaskdale
Boyer, G. F.....Kincardine
Broddy, W. A.....Uxbridge
Broome, W. J.....Muncey
Brydon, W. H....Holly Park P.O.
Buck, G. S.....Lindsay
Burns, H. S.....Caledonia
Burns, J.....Palmerston
Calder, Miss M.....Innisfail, Alta.
Callahan, T. H.....Wooler
Campbell, A. D.....Owen Sound
Cannon, O. A.....Walkerton
Cerswell, B. S.....Toronto
Christie, J. G.....Duntroon
Cole, E. C.....Toronto
Crann, G. R.....Queensville
Crux, A.....Toronto
Dafoe, A. R.....Madoc
Elliott, B. S.....Ingersoll
Ellis, T. A.....Toronto
Evans, J. A.....Islington
Faulds, R. W.....Harrietsville
Fidlar, E.....Toronto
Field, J. J.....New Liskeard
Fleming, A. G.....Toronto

Fowler, W. G.....Teeswater
Gideon, E. D.,
Port Antonio, Jamaica
Gillies, H.....Parkhill
Graham, E. V.....Bradford
Graham, L. B.....Wallacetown
Graham, M .....Brucefield
Gray, G. C.....Waubuno
Hamilton, Miss L. S. M...Toronto
Harmer, C. G.....Toronto
Harrison, T. L.....Tillsonburg
Hartman, C. C.....Aurora
Hatcher, R. C....Bonavista, Nfld.
Hazlewood, J. F.,
Toronto Junction
Henderson, D. A.....Toronto
Henderson, E. M.....Toronto
Hincks, C. M. .....Toronto
Hunt, J. W.....Blind River
Huntsman, A. G.....Toronto
Hurlburt, F. H.....Manitowaning
Hutton, T. O.....Port Elgin
James, H. J.....Toronto
Jamieson, C. V.....Guelph
Johnston, C.....Alma
Johnston, H. B.....Vernonville
Johnston, H. W.....Midland
Johnstone, L. H. Huntingdon, Que.
Johnston, W. J.....Wareham
Kakaza, T. M.,
Port Elizabeth, S. Africa
Kay, A. F.....Virginia
Kenny, R. Y.....Sarnia
Kirby, P. J.....Arthur
Knight, S. G.....Kincardine
Kyles, A. E.....Camilla
Lackner, H. M.....Berlin
Lapatnikoff, W.....Toronto
Large, W. B.....Rochester, N.Y.
Leigh, S. S.....East Oro
Lipsitt, G. E.....Mount Bridges
Love, W.....Toronto
Luckhoo, D. L.,
New Amsterdam, Brit. Guiana
Malcolm, Miss M. E.....Caesarea
Menten, Miss M. L.Chilliwack, B.C.
Middleton, F. C.....Woodhill
Miller, F. R.....Toronto
Milne, J. D.....Delaware
Minns, F. S.....Woodstock
Mooney, C. N.....Davenport
Morgan, H. A. E.....Moorefield
Morrison, T.....Hamilton
Mulholland, R. P.....Toronto
McArthur, A. D.....Greenbank
McClelland, W. A....Grand Valley
McCormack, W. G. M.....Vivian
McCutcheon, R. H.....Nobleton
McFadden, H. M.....Millbrook
MacKay, J. T.....Toronto
MacKenzie, D. W.....Toronto
MacKenzie, K. N.....St. Thomas
MacLachlan, J.....Toronto
McLean, A. A.....Clochan
Macleod, J. A.....Priceville
McLeod, N.....Moose Creek
McNichol, O. A.....Pittsburg, Pa.
McPhedran, W. F.....Toronto
McPherson, A. W.....Peterboro
McPherson, G. A.....St. Thomas
McRuer, J. M.....Ayr
McVicar, C. S.....Ailsa Craig
Naismith, A. G.....Milverton
Newell, O. J.....Aylmer
Nickle, M. A.....Madoc
Norman, T. H.....Schomberg
Orr, T. S.....Hamilton
Platt, E. O.....Plainfield
Prentice, A. J.....Drumbo
Quarry, J. J.....Centralia
Racey, G. W.....Kirktown
Reid, P.....Erin
Relyea, E. H.....Cornwall
Richardson, E. F.....Aurora
Ritchie, L. W.....Beamsville
Robb, J. O.....Ilderton
Robertson, D. E.....Toronto
Ross, G. W.....Burford
Ross, H. R.....Burford
Routley, F. W.....Toronto
Ryckman, W. C..Moosomin, Sask.
Rolls, J. A.....Chatham
Savage, J. P.....Brantford
Scheck, W. S.....Hamilton
Schinbein, A. B.....Listowel
Shier, W. C.....Uxbridge
Simpson, L. J.....Thornton
Siung, S. H.,
New Amsterdam, Brit. Guiana
Sparks, G. L.....St. Mary's
Speers, J. H.....Toronto
Sproat, J.....Nelson, B.C.
Sproule, Miss P. J.....Listowel
Stewart, R.....Bluevale
Stinson, S.....Brighton
Stirrett, A. P.....Toronto
Sutherland, J. W.....London
Swain, W. W.....Grand Valley
Taylor, W. A.....Toronto Junction
Thompson, C. P.....Listowel
Thompson, J. J..Toronto Junction
Towers, T. L.....Sarnia
Tye, P. L.....Goderich
Walker, H.....New Jarvis

Walsh, W. C.....Millbrook
Weldon, T. C.....Toronto
Whillans, D. W.....Ilderton
Whillans, J. A.....Ilderton
White, S. T.....Shelburne
Whitemore, G. H.Toronto Junction
Williams, H. A.....Allenford
Williams, R. A.....Ingersoll
Willson, H. G.....Toronto
Wilson, C. E.....Napanee
Wilson, N. K.....Toronto
Woods, H. B.....Toronto
Young, E. H.....Guelph

Occasional Students.

Amos, J. E.....Brinsley
Armstrong, W. A.....Manotick
Armstrong, W. J.....Iroquois
Barron, F.....Campbellford
Blatchford, F. A.....Hensall
Bouck, C.....Calgary, Alta.
Brebber, G. F.....Mount Forest
Cation, J. M.....Snelgrove
Clark, E. A.....St. Thomas
Coon, W. H.....Smithville
Cosgrove, R. H.....Ottawa
Cowan, W. A.....Kintail
Cox, E. L.....Lakefield
Dunning, J. N.....Riceville
Elliott, G. A.....Brantford
Emerson, R.....Toronto
Fisher, R. E.....Barrie
Frank, R. W.....The Grange
French, G. E.....Brampton
Gibson, M. J.....Kingston
Gordon, J. B.....Kingston
Gower, F.....Meaford
Graham, T. H.....Bradford
Grist, P. K.....Strathroy
Guy, T. N.....Columbus, Ont.
Hart, V. E.....Lindsay
Hutt, S. H.....Berwick
Irwin, W. T.....Mulmur
Ives, G. T.....Toronto
Kappele, J. L.....Hamilton
Klingner, H. E.....Toronto
Locke, D. C....Brinston's Corners
Lonergan, J. J.....Buckingham
Loucks, F. S.....Meaford
Mark, A. S.....Stratford
Marshall, W. R.....Kingston
Mills, W. W.....Belleville
Moore, F. H.....Acton
Moore, C. H.....Owen Sound
Moore, S. R.....Belleville
McArthur, J. A.....Priceville
McComb, C. S.....Lucan
Macfarlane, R. M ...Briston, Que.
McIntosh, R. M.....Embro
MacLaurin, H.....Vankleek Hill
McLean, R. M.....Walkerton
McVey, K. M.....Marvelville
O'Callaghan, M. J.....Kars
Patterson, B. J.....Shelburne
Peaker, H. M.....Brampton
Powers, W. P.....Elora
Pratt, S. H.....North Gower
Preston, W. J.....Bethany
Robb, H. A.....Walkerton
Robinson, E. H.....Brockville
Ross, J. A.....Lindsay
Semple, H. A.....Toronto
Simpson, C. N.....Toronto
Sisson, E.....Bethany
Sleeth, W.....Toronto
Stewart, R. E.....Glenallan
Sloane, R. D.....Shelburne
Strachan, J. S.....Jamestown
Thompson, E. L.....Mitchell
Tweed, H. R..Crystal City, Man.
Vance, R. J.....Waterdown
Veitch, E. C.....Uxbridge
Walker, R. R.....King City
Wallace, C. V.....Toronto
Wigle, I. J.....Guelph
Woollatt, R. S.....Toronto

Summary:

First Year Students	190
Second Year Students	146
Third Year Students	158
Fourth Year Students	158
Occasional Students	71
Total	723